

10

Filters for Audio Visual Equipment

CERAFIL® for AM

CERAFIL® for Search-stop Signal Detection

CERAFIL® for FM

Discriminators for FM

CERAFIL® for TV/VCR

Discriminators for TV/VCR

Traps for TV/VCR

SAW Filters for TV/VCR

SAW Filters for Digital Broadcasting

SAW Filters for TV/VCR Dual Type

● **Part Numbering** (The structure of the "Global Part Numbers" that will be adopted from June 2001 and the meaning of each code are described herein.)
If you have any questions about details, inquire at your usual Murata sales office or distributor.

CERAFIL® for AM

(Global Part Number)

PF	W	LA	450K	P2A	-B0
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① ② ③ ④ ⑤ ⑥

① Product ID

Product ID	
PF	Ceramic Filters
SF	Ceramic Filters
CF	Ceramic Filters

② Oscillation/Numbers of Element

Code	Oscillation/Numbers of Element
S	1 Element Lengthwise Vibration
W	2 Elements Lengthwise Vibration
U	1 Element Area Vibration
Z	2 Elements Area Vibration
P	4 Elements Area Vibration

③ Structure/Size

Code	Structure/Size
L□	Lead Type
C□	Chip Type

□ is "A" or subsequent code, which indicates the size. It varies depending on vibration mode and number of elements.

④ Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (Hz). If the unit is "kHz", it is expressed by three figures plus "K".

CERAFIL® for Search-stop Signal Detection

(Global Part Number)

BF	U	LA	450K	C	-B0
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① ② ③ ④ ⑤ ⑥

① Product ID

Product ID	
BF	Resonator

② Oscillation/Numbers of Element

Code	Oscillation/Numbers of Element
U	1 Element Area Vibration

③ Structure/Size

Code	Structure/Size
LA	Lead Type Standard

④ Nominal Center Frequency

Code	Nominal Center Frequency
450K	450kHz

⑤ Product Specification

Code	Product Specification
P2A	Standard Type

□□A indicates standard type.

⑥ Packaging

Code	Packaging
-B0	Bulk
-R0	Plastic Taping (ø180mm)
-R1	Plastic Taping (ø330mm)
-A0	Radial Taping H ₀ =18mm
-M0	Magazine Cassette

Radial taping is applied to lead type and plastic taping to chip type. With non-standard products, three-digit alphanumerics indicating "Individual Specification" is added between "⑤Product Specification" and "⑥Packaging".

⑤ Product Specification

Code	Product Specification
C□	Bandwidth

With standard type, □ is omitted.

⑥ Packaging

Code	Packaging
-B0	Bulk

Radial taping is applied to lead type and plastic taping to chip type. With non-standard products, "Individual Specification (serial number)" and "Lead Shape (Lead Bend : B)" are added between "⑤Product Specification" and "⑥Package Specification Code" upon specification.

CERAFIL[®] for FM

(Global Part Number) **SF** **E** **LA** **10M7** **FAA0** **-R0**
 ① ② ③ ④ ⑤ ⑥

① Product ID

Product ID	
SF	Ceramic Filters

② Oscillation/Numbers of Element

Code	Oscillation/Numbers of Element
E	2 Elements Thickness Longitudinal Vibration
T	3 Elements Thickness Longitudinal Vibration
K	2 Elements Thickness Longitudinal Vibration (2nd Harmonic)
V	2 Elements Thickness Longitudinal Vibration (3rd Over Tone)

③ Structure/Size

Code	Structure/Size
L□	Lead Type
C□	Chip Type

□ is expressed "A" or subsequent code, which indicates the size.

④ Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
 Decimal point is expressed by capital letter "M".

BGS Filters

(Global Part Number) **MK** **F** **GA** **25M0** **HA0** **P** **00** **B05**
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Product ID

Product ID	
MK	BGS

② Function

Code	Function
F	Filters

③ Structure/Size

Code	Structure/Size
G□	Lead Type

□ is expressed "A" or subsequent code, which indicates the size.

④ Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
 Decimal point is expressed by capital letter "M".

⑤ Product Specification

Code	Product Specification
HA0	Expressed by three-digit alphanumerics.

⑤ Product Specification

Code	Product Specification
FAA0	Four-digit alphanumerics express pass-bandwidth, center frequency tolerance, rank, series, others.

⑥ Packaging

Code	Packaging
-B0	Bulk
-R0	Plastic Taping ø180mm
-R1	Plastic Taping ø330mm
-A0	1500pcs. /Radial Taping H ₀ =18mm
-A1	1000pcs. /Radial Taping H ₀ =18mm

Radial taping is applied to lead type and plastic taping to chip type.
 With non-standard products, two-digit alphanumerics indicating "Individual Specification" is added between "⑤ Product Specification" and "⑥ Packaging".

⑥ Piezoelectric Board Material

Code	Piezoelectric Board Material
P	An alphabet express Piezoelectric material.

⑦ Individual Specification Code

Code	Individual Specification Code
00	Standard

⑧ Packaging

Code	Packaging
B05	Bulk
A03	Radial Taping H ₀ =18mm

Discriminators for FM

(Global Part Number) **CD** **A** **LA** **10M7** **GA** **001** **-R0**
 ① ② ③ ④ ⑤ ⑥ ⑦

① Product ID

Product ID	
CD	Discriminators

② Oscillation

Code	Oscillation
A	Thickness Longitudinal Vibration

③ Structure/Size

Code	Structure/Size
L□	Lead Type
C□	Chip Type

□ is expressed "A" or subsequent code, which indicates the size.

④ Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
 Decimal point is expressed by capital letter "M".

⑤ Product Specification

Code	Product Specification
GA	Two-digit alphanumerics express type, center frequency, rank, others

⑥ IC

Code	IC
001	Applicable IC Control Code

⑦ Packaging

Code	Packaging
-B0	Bulk
-A0	Radial Taping H ₀ =18mm
-R0	Plastic Taping (ø180mm)
-R1	Plastic Taping (ø330mm)

Radial taping is applied to lead type and plastic taping to chip type.
 With non-standard products, an alphanumerics indicating "Individual Specification" is added between "⑥ IC" and "⑦ Packaging".

CERAFIL[®] for TV/VCR

(Global Part Number) **SF** **S** **RA** **4M50** **CF** **00** **-B0**
 ① ② ③ ④ ⑤ ⑥ ⑦

① Product ID

Product ID	
SF	Ceramic Filters

② Oscillation/Numbers of Element

Code	Oscillation/Numbers of Element
S	2 Elements Thickness Shear Vibration
T	3 Elements Thickness Longitudinal Vibration

③ Structure/Size

Code	Structure/Size
R□	Lead Type
K□	Chip Type

□ is expressed "A" or subsequent code, which indicates the size.

④ Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
 Decimal point is expressed by capital letter "M".

⑤ Product Specification Code (1)

Code	Product Specification Code (1)
AF	Standard Bandwidth Type
BF	Tight Bandwidth Type
CF	Standard Bandwidth Type
DF	Broad Bandwidth Type
EF	Ultra-broad Bandwidth Type

The code AF is only applied to SFT series.

⑥ Product Specification Code (2)

Code	Product Specification Code (2)
00	Standard Type

⑦ Packaging

Code	Packaging
-B0	Bulk
-A0	Radial Taping H ₀ =18mm
-R1	Plastic Taping ø=330mm

Radial taping is applied to lead type and plastic taping to chip type.
 With non-standard products, two-digit alphanumerics indicating "Individual Specification" is added between "⑤ Product Specification Code (1)" and "⑥ Product Specification Code (2)".

Discriminators for TV/VCR

(Global Part Number) **CD** **S** **RH** **4M50** **E** **K** **048** **-A0**
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Product ID

Product ID	
CD	Discriminators

② Oscillation

Code	Oscillation
S	Thickness Shear Vibration

③ Structure/Size

Code	Structure/Size
RH	Standard Type
RL	Low-profile

④ Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
 Decimal point is expressed by capital letter "M".

⑤ Product Specification Code (1)

Code	Product Specification Code (1)
C	Three-terminals
E	Two-terminals

⑥ Product Specification Code (2)

Code	Product Specification Code (2)
K	Specification

⑦ IC

Code	IC
048	Applicable IC control code

⑧ Packaging

Code	Packaging
-B0	Bulk
-A0	Radial Taping H ₀ =18mm

With non-standard products, an alphabet indicating "Individual Specification" is added between "⑦IC" and "⑧Packaging".

Ceramic Traps

(Global Part Number) **TP** **S** **RA** **4M50** **B** **00** **-B0**
 ① ② ③ ④ ⑤ ⑥ ⑦

① Product ID

Product ID	
TP	Ceramic Traps

② Function

Code	Function
S	Single Traps
T	Triple Traps
W	Double Traps

③ Structure/Size

Code	Structure/Size
R□	Lead Type
K□	Chip Type

□ is expressed "A" or subsequent code, which indicates the size.

④ Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
 Decimal point is expressed by capital letter "M".

⑤ Product Specification Code (1)

Code	Product Specification (1)
B	Broad-bandwidth Type
C	Low-capacitance Type

⑥ Product Specification Code (2)

Code	Product Specification Code (2)
00	Standard Type

⑦ Packaging

Code	Packaging
-B0	Bulk
-A0	Radial Taping H ₀ =18mm
-R1	Plastic Taping ø=330mm

Radial taping is applied to lead type and plastic taping to chip type.
 With non-standard products, three-digit alphanumerics indicating "Individual Specification" is added between "⑤Product Specification Code (2)" and "⑦Packaging".

BGS Traps

(Global Part Number)

MK	T	GA	47M2	CAH	P	00	B05
1	2	3	4	5	6	7	8

1 Product ID

Product ID	
MK	BGS

2 Function

Code	Function
T	Traps

3 Structure/Size

Code	Structure/Size
GA	Lead Type

4 Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
Decimal point is expressed by capital letter "M".

5 Product Specification (1)

Code	Product Specification (1)
AA	Standard Bandwidth
CA	Narrow-bandwidth

5 Product Specification (2)

Code	Product Specification (2)
H	High-frequency side Traps
L	Low-frequency side Traps

6 Piezoelectric Board Material

Code	Piezoelectric Board Material
P	Expressed by a letter.

7 Individual Specification Code

Code	Individual Specification Code
00	Standard

8 Packaging

Code	Packaging
B05	Bulk
A03	Radial Taping H ₀ =18mm

SAW Filters for TV/VCR/Digital Broadcasting

(Global Part Number)

SA	F	JA	58M7	VBP	Z	00	R02
1	2	3	4	5	6	7	8

1 Product ID

Product ID	
SA	SAW Filters

2 Function

Code	Function
F	Filters

3 Structure/Size

Code	Structure/Size
G□	Lead Type
J□	Cap Chip Type
C□	Chip Type

□ is expressed "A" or subsequent code, which indicates the size.

4 Nominal Center Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
Decimal point is expressed by capital letter "M".

5 Standard Specification Code

Code	Standard Specification Code
VBP	Three-digit alphanumerics expressed design type.

6 Piezoelectric Board Material

Code	Piezoelectric Board Material
Z	Expressed by a letter.

7 Individual Specification Code

Code	Individual Specification Code
00	Standard

8 Packaging

Code	Packaging
B03	Bulk
R01	1000pcs. /Plastic Taping ø=330mm
R03	3000pcs. /Plastic Taping ø=330mm
R10	500pcs. /Plastic Taping ø=180mm
A01	Radial Taping H ₀ =18mm

Radial taping is applied to lead type and plastic taping to chip type.

SAW Filters for TV/VCR Dual Type

(Global Part Number) **SA** **W** **GS** **38M0** **VCA** **Z** **00** **B03**
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Product ID

Product ID	
SA	SAW Filters

② Function

Code	Function
W	Dual Filters

③ Structure/Size

Code	Structure/Size
GS	Lead Type
KE	Chip Type

④ Nominal Frequency

Expressed by four-digit alphanumerics. The unit is in hertz (MHz).
 Decimal point is expressed by capital letter "M".

⑤ Standard Specification Code

Code	Standard Specification Code
VCA	Three-digit alphanumerics expressed design type.

⑥ Piezoelectric Board Material

Code	Piezoelectric Board Material
Z	Expressed by a letter.

⑦ Individual Specification Code

Code	Individual Specification Code
00	Standard Type

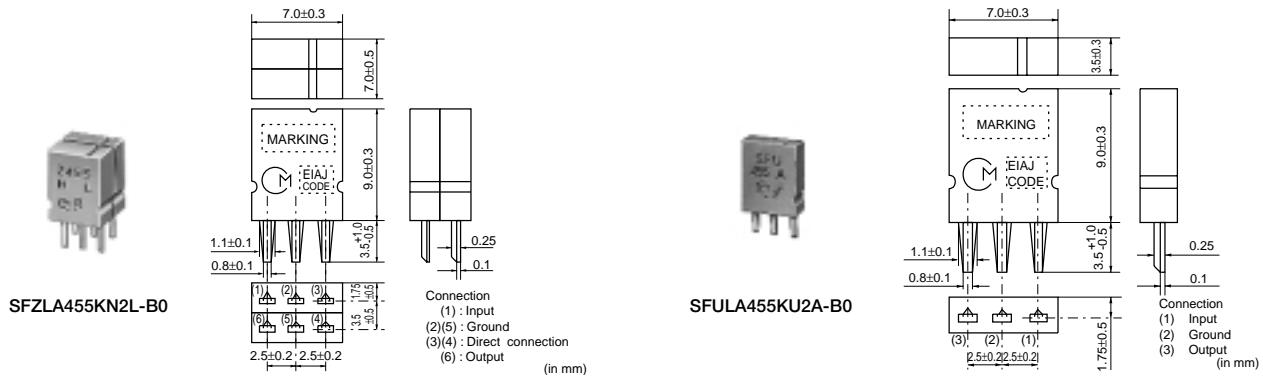
⑧ Packaging

Code	Packaging
B03	Bulk
A02	Radial Taping H ₀ =18mm
R02	Plastic Taping ø=330mm

Radial taping is applied to lead type and plastic taping to chip type.

CERAFIL[®] for AM

● SFZLA/SFZLA Series

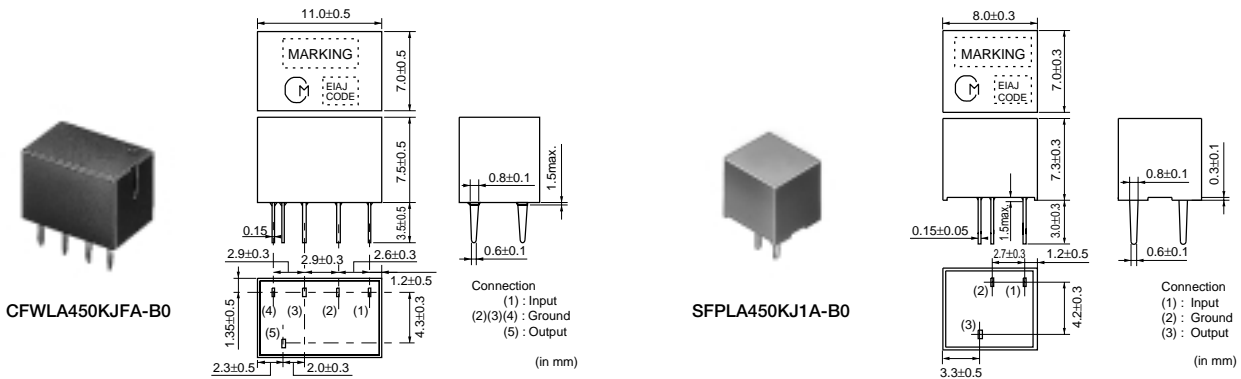


Part Number	Center Frequency (fo) (kHz)	3dB Bandwidth (kHz)	6dB Bandwidth	Selectivity (+) (dB)	Selectivity (-) (dB)	Insertion Loss (dB)	GDT 20μsec. Bandwidth	Elements
SFZLA455KN2L-B0	455.5 ±2kHz	4.0 ±1.0kHz	-	23 min.[fo+9kHz]	23 min.[fo-9kHz]	7 max.	-	2
SFZLA455KS2L-B0	456 ±2kHz	5.5 ±1.0kHz	-	18 min.[fo+9kHz]	18 min.[fo-9kHz]	7 max.	-	2
SFZLA455KT2L-B1	456 ±2kHz	7.0 ±1.0kHz	-	16 min.[fo+9kHz]	16 min.[fo-9kHz]	6 max.	-	2
SFULA455KU2A-B0	455 ±2kHz	10.0 ±3.0kHz	-	4 min.[fo+10kHz]	6 min.[fo-10kHz]	5 max.	-	1
SFULA455KU2L-B0	462 ±2kHz	10.0 ±3.0kHz	-	4 min.[fo+10kHz]	6 min.[fo-10kHz]	5 max.	-	1

Center frequency(fo) is defined by the center of 3dB bandwidth.

The order quantity should be an integral multiple of the Minimum Quantity shown in the beginning of this catalog.

● SFPLA/CFWLA Series



Part Number	Center Frequency (fo) (kHz)	3dB Bandwidth	6dB Bandwidth (kHz)	Selectivity (+) (dB)	Selectivity (-) (dB)	Insertion Loss (dB)	GDT 20μsec. Bandwidth	Elements
CFWLA450KJFA-B0	450 (fn)	-	fn±2.0 min.	50 min.[fn+7.5kHz]	50 min.[fn-7.5kHz]	7 max.	-	6
SFPLA450KJ1A-B0	450 ±1kHz	-	fn±2.0 min.	40 min.[fn+7.5kHz]	40 min.[fn-7.5kHz]	6 max.	-	4
CFWLA450KHFA-B0	450 (fn)	-	fn±3.0 min.	50 min.[fn+10kHz]	50 min.[fn-10kHz]	6 max.	-	6
SFPLA450KH1A-B0	450 ±1kHz	-	fn±3.0 min.	40 min.[fn+9kHz]	40 min.[fn-9kHz]	6 max.	-	4

Center frequency(fo) is defined by the center of 6dB bandwidth.

(fn) means nominal center frequency.

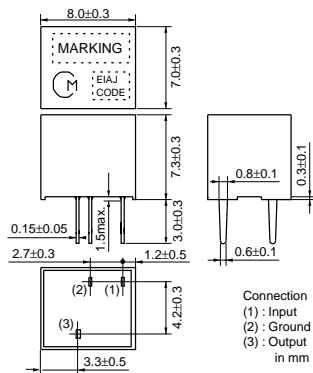
For safety purposes, connect the output of filters to the IF amplifier through a DC blocking capacitor. Avoid applying a direct current to the output of ceramic filters.

The order quantity should be an integral multiple of the Minimum Quantity shown in the beginning of this catalog.

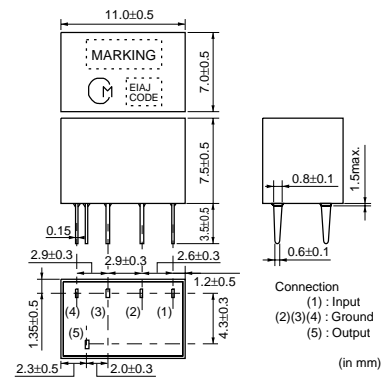
● CFULA/CFWLA/SFPLA Series (For AM Stereo Wide-Band Type)



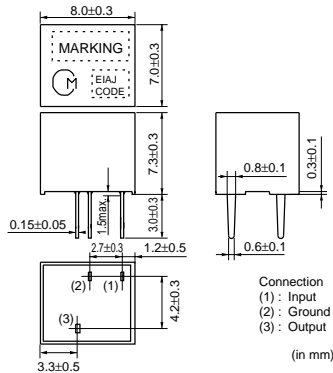
CFULA450KG1Y-B0



CFWLA450KGFA-B0



SFPLA450KG1A-B0



Part Number	Center Frequency (fo) (kHz)	3dB Bandwidth	6dB Bandwidth (kHz)	Selectivity (+) (dB)	Selectivity (-) (dB)	Insertion Loss (dB)	GDT 20μsec. Bandwidth (kHz)	Elements
CFULA450KG1Y-B0	450 ±1kHz	-	fn±4.5 min.	40 min.[fn+15kHz]	40 min.[fn-15kHz]	10 max.	fn±4.5	4
CFWLA450KG1Y-B0	450 ±1kHz	-	fn±4.5 min.	50 min.[fn+15kHz]	50 min.[fn-15kHz]	11 max.	fn±4.0	6
CFWLA450KGFA-B0	450 (fn)	-	fn±4.5 min.	50 min.[fn+9kHz]	50 min.[fn-9kHz]	6 max.	-	6
SFPLA450KG1A-B0	450 ±1kHz	-	fn±4.5 min.	30 min.[fn+9kHz]	30 min.[fn-9kHz]	6 max.	-	4
CFULA450KF1Y-B0	450 ±1kHz	-	fn±6.0 min.	40 min.[fn+17.5kHz]	40 min.[fn-17.5kHz]	9 max.	fn±6.0	4
CFWLA450KF1Y-B0	450 ±1kHz	-	fn±6.0 min.	50 min.[fn+17.5kHz]	50 min.[fn-17.5kHz]	10 max.	fn±5.0	6
CFWLA450KFFA-B0	450 (fn)	-	fn±6.0 min.	50 min.[fn+12.5kHz]	50 min.[fn-12.5kHz]	6 max.	-	6
SFPLA450KF1A-B0	450 ±1kHz	-	fn±6.0 min.	40 min.[fn+12.5kHz]	40 min.[fn-12.5kHz]	6 max.	-	4
CFWLA450KEFA-B0	450 (fn)	-	fn±7.5 min.	50 min.[fn+15kHz]	50 min.[fn-15kHz]	6 max.	-	6
SFPLA450KE1A-B0	450 ±1kHz	-	fn±7.5 min.	40 min.[fn+15kHz]	40 min.[fn-15kHz]	6 max.	-	4
CFULA450KD1Y-B0	450 ±1kHz	-	fn±10.0 min.	40 min.[fn+25kHz]	40 min.[fn-25kHz]	7 max.	fn±9.0	4
CFWLA450KD1Y-B0	450 ±1kHz	-	fn±10.0 min.	50 min.[fn+25kHz]	50 min.[fn-25kHz]	8 max.	fn±8.0	6
CFWLA450KDFA-B0	450 (fn)	-	fn±10.0 min.	50 min.[fn+20kHz]	50 min.[fn-20kHz]	4.0 max.	-	6
SFPLA450KD1A-B0	450 ±1kHz	-	fn±10.0 min.	40 min.[fn+20kHz]	40 min.[fn-20kHz]	4 max.	-	4

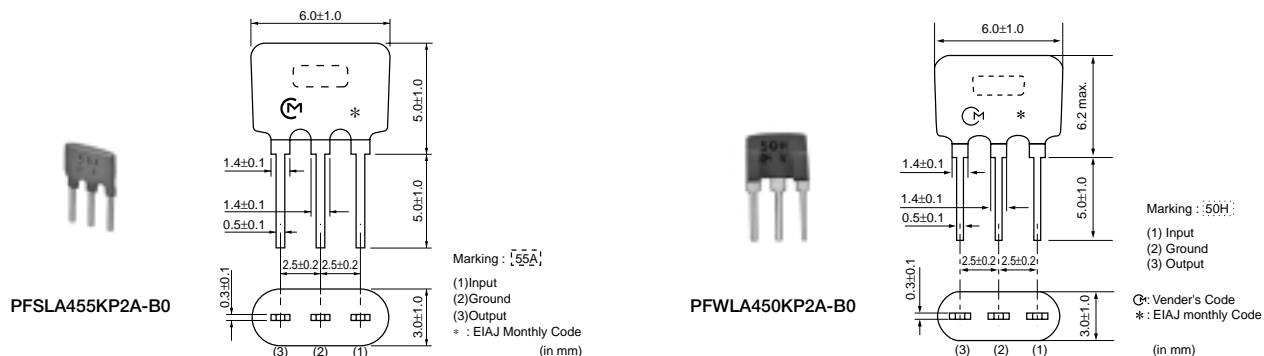
Center frequency(fo) is defined by the center of 6dB bandwidth.

(fn) means nominal center frequency.

For safety purposes, connect the output of filters to the IF amplifier through a DC blocking capacitor. Avoid applying a direct current to the output of ceramic filters.

The order quantity should be an integral multiple of the Minimum Quantity shown in the beginning of this catalog.

● PFSLA/PFWLA Series

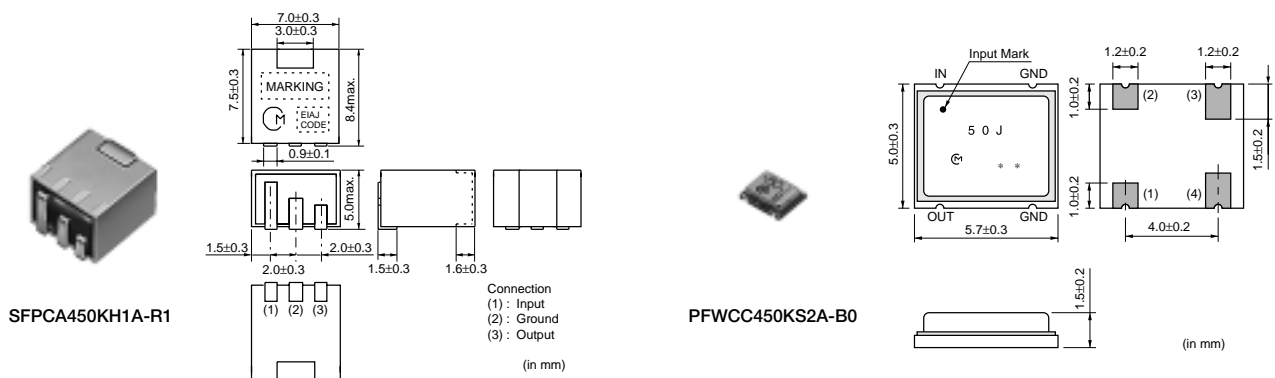


Part Number	Center Frequency (fo) (kHz)	3dB Bandwidth (kHz)	6dB Bandwidth	Selectivity (+) (dB)	Selectivity (-) (dB)	Insertion Loss (dB)	GDT 20μsec. Bandwidth	Elements
PFSLA455KP2A-B0	455 ±2kHz	within 4.5 ±1.5kHz	-	8 min.[fo+9kHz]	8 min.[fo-9kHz]	5 max.	-	1
PFWLA450KP2A-B0	450 ±2kHz	within 4.5 ±1.5kHz	-	19.0 min.[fo+9kHz]	19.0 min.[fo-9kHz]	7.0 max.	-	2
PFWLA450KS2A-B0	450 ±2kHz	within 5.5 ±1.5kHz	-	17.0 min.[fo+9kHz]	17.0 min.[fo-9kHz]	6.0 max.	-	2

Center frequency(fo) is defined by the center of 3dB bandwidth.

The order quantity should be an integral multiple of the Minimum Quantity shown in the beginning of this catalog.

● Chip Type SFPCA/PFWCC Series

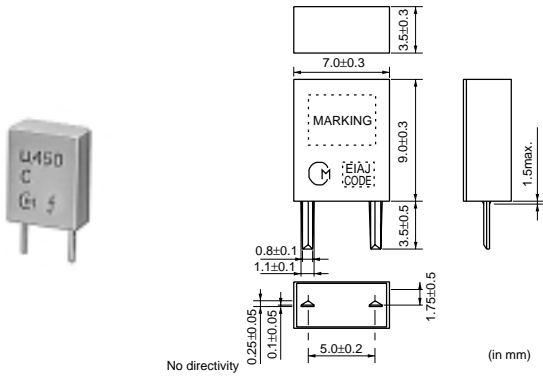


Part Number	Center Frequency (fo) (kHz)	3dB Bandwidth (kHz)	6dB Bandwidth (kHz)	Selectivity (+) (dB)	Selectivity (-) (dB)	Insertion Loss (dB)	GDT 20μsec. Bandwidth	Elements
SFPCA450KH1A-R1	450 ±1.0kHz	-	fn±3.0 min.	40 min.[fn+9.0kHz]	40 min.[fn-9.0kHz]	6.0 max.	-	4
SFPCA450KG1A-R1	450 ±1.0kHz	-	fn±4.5 min.	40 min.[fn+10.0kHz]	40 min.[fn-10.0kHz]	6.0 max.	-	4
SFPCA450KF4A-R1	450 ±1.5kHz	-	fn±6.0 min.	40 min.[fn+12.5kHz]	40 min.[fn-12.5kHz]	6.0 max.	-	4
PFWCC450KS2A-B0	450 ±2kHz	within 5.5 ±1.5kHz	-	17 min.[fo+9kHz]	17 min.[fo-9kHz]	6 max.	-	2

Center frequency(fo) is defined by the center of 3dB bandwidth.

For safety purposes, connect the output of filters to the IF amplifier through a DC blocking capacitor. Avoid applying a direct current to the output of ceramic filters.

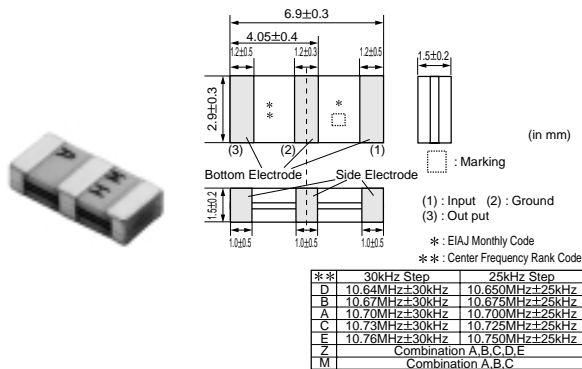
CERAFIL® for Search-stop Signal Detection



Part Number	Resonant Frequency (Fr) (kHz)	Delta F (Fa-Fr) (kHz)	Resonant Resistance (ohm)	Capacitance (pF)
BFULA450KC-B0	450 ±1.0kHz	within 14.0 ±2.0kHz	20 min.	360 ±20%
BFULA450KC004-B0	450 ±0.8kHz	within 9.0 ±2.0kHz	30 min.	360 ±20%
BFULA450KK003-B0	450 ±1.0kHz	within 27.5 ±4.5kHz	30 min.	550 ±20%

CERAFIL® for FM

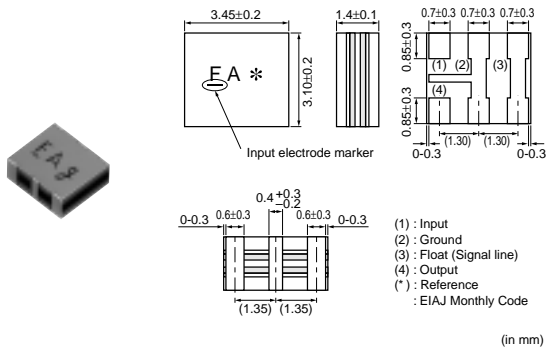
● Chip Type SFECV Series



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SFECV10M7KA00-R0	10.700 ±30kHz	within 110 ±30kHz	320 max.	within 6.0 ±2.0dB	35 min.
SFECV10M7JA00-R0	10.700 ±30kHz	within 150 ±30kHz	380 max.	10.0 max.	30 min.
SFECV10M7HA00-R0	10.700 ±30kHz	within 180 ±40kHz	470 max.	within 4.0 ±2.0 dB	35 min.
SFECV10M7GA00-R0	10.700 ±30kHz	within 230 ±50kHz	510 max.	within 3.5 ±2.0 dB	35 min.
SFECV10M7FA00-R0	10.700 ±30kHz	within 280 ±50kHz	590 max.	within 3.0 ±2.0 dB	35 min.

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz-fo]
 Center frequency(fo) defined by the center of 3dB bandwidth.

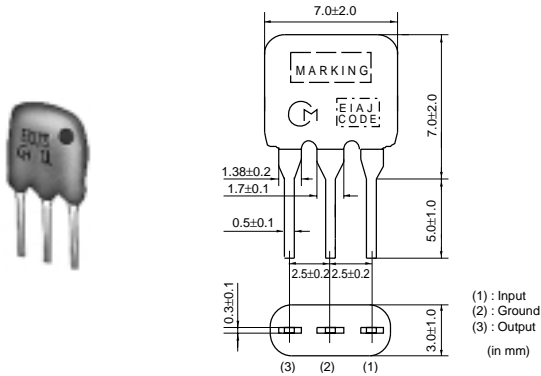
● Small Chip Type SF ECS Series



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SF ECS10M7HA00-R0	10.700 ±30kHz	within180 ±40kHz	470 max.	within4.5 ±2.0 dB	30 min.
SF ECS10M7GA00-R0	10.700 ±30kHz	within230 ±50kHz	510 max.	within3.5 ±2.0 dB	30 min.
SF ECS10M7FA00-R0	10.700 ±30kHz	within280 ±50kHz	590 max.	within3.0 ±2.0 dB	30 min.

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz~fo]
Center frequency(fo) defined by the center of 3dB bandwidth.

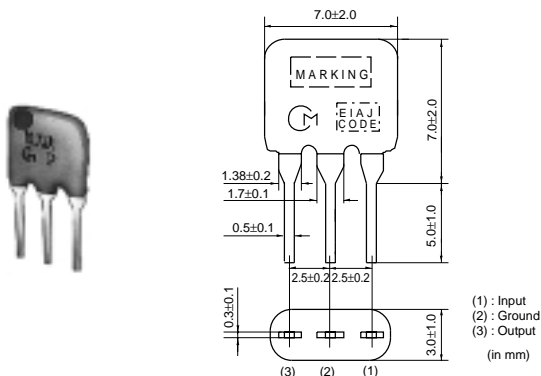
● For FM-IF



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SF ELA10M7HA00-B0	10.700 ±30kHz	within180 ±40kHz	520 max.	7.0 max.	40 min.
SF ELA10M7GA00-B0	10.700 ±30kHz	within230 ±50kHz	570 max.	within4.0 ±2.0dB	40 min.
SF ELA10M7FA00-B0	10.700 ±30kHz	within280 ±50kHz	650 max.	within4.0 ±2.0dB	30 min.

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz~fo]
Center frequency(fo) defined by the center of 3dB bandwidth.

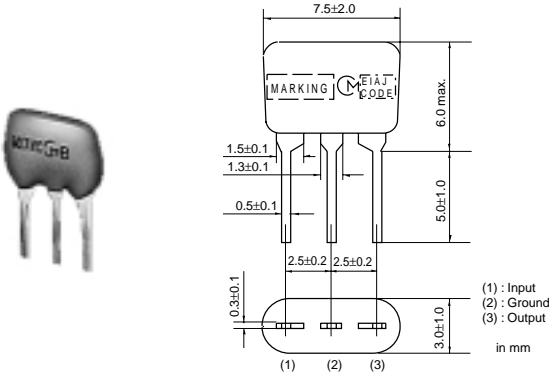
● Low-loss Type



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SFELA10M5JAA001-B0	10.520 ±30kHz	within150 ±40kHz	360 max.	within4.5 ±2.0dB	35 min.
SFELA10M7JAA0-B0	10.700 ±30kHz	within150 ±40kHz	360 max.	within4.5 ±2.0dB	35 min.
SFELA10M7HAA0-B0	10.700 ±30kHz	within180 ±40kHz	470 max.	within3.5 ±1.5dB	35 min.
SFELA10M7GAA0-B0	10.700 ±30kHz	within230 ±50kHz	520 max.	within3.0 ±2.0dB	35 min.
SFELA10M7FAA0-B0	10.700 ±30kHz	within280 ±50kHz	590 max.	within2.5 ±2.0dB	30 min.

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz-fo]
Center frequency(fo) defined by the center of 3dB bandwidth.

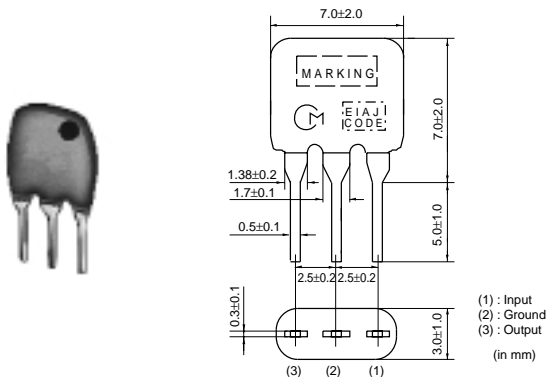
● Low-profile Type



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SFELB10M7KA00-B0	10.700 ±30kHz	within110 ±30kHz	350 max.	within7.0 ±2.0dB	30 min.
SFELB10M7JA00-B0	10.700 ±30kHz	within150 ±40kHz	360 max.	within4.5 ±2.0dB	35 min.
SFELB10M7HA00-B0	10.700 ±30kHz	within180 ±40kHz	470 max.	within3.5 ±2.0dB	35 min.
SFELB10M7GA00-B0	10.700 ±30kHz	within230 ±50kHz	570 max.	within3.0 ±2.0dB	40 min.
SFELB10M7FA00-B0	10.700 ±30kHz	within280 ±50kHz	650 max.	within3.0 ±2.0dB	30 min.

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz-fo]
Center frequency(fo) defined by the center of 3dB bandwidth.

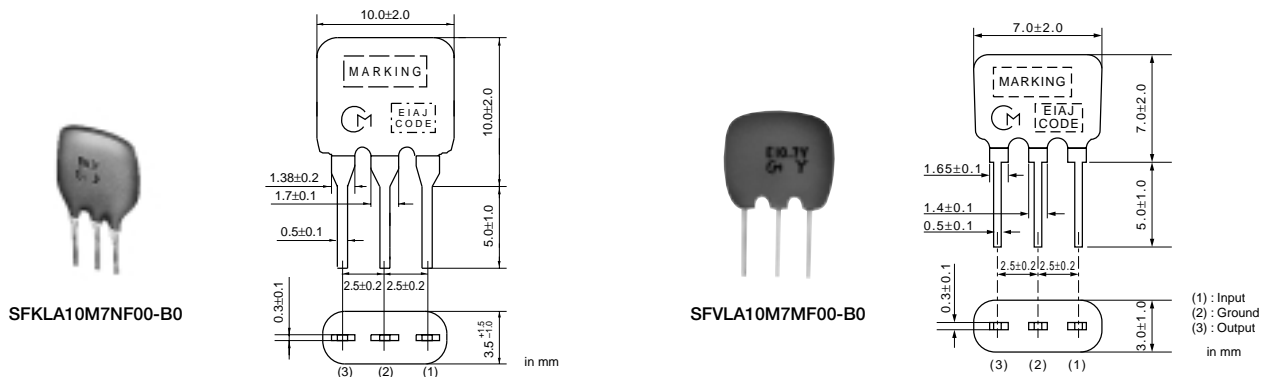
● For DBS Receiver



Part Number	Center Frequency (fo) (MHz)	Nominal Center Frequency(fn) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SFELA10M5KAH001-B0	10.520 ±30kHz	-	within110 ±30kHz	350 max.	within7.0 ±2.0dB	30 min.
SFELA10M7KAH0-B0	10.700 ±30kHz	-	within110 ±30kHz	350 max.	within7.0 ±2.0dB	30 min.
SFELA10M7EA00-B0	10.700 ±30kHz	-	within330 ±50kHz	680 max.	within4.0 ±2.0dB	30 min.
SFELA10M7DF00-B0	-	10.700	fn±175 min.	950 max.	within3.0 ±2.0dB	20 min.

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz-fo]
Center frequency(fo) defined by the center of 3dB bandwidth.
(fn) means nominal center frequency.

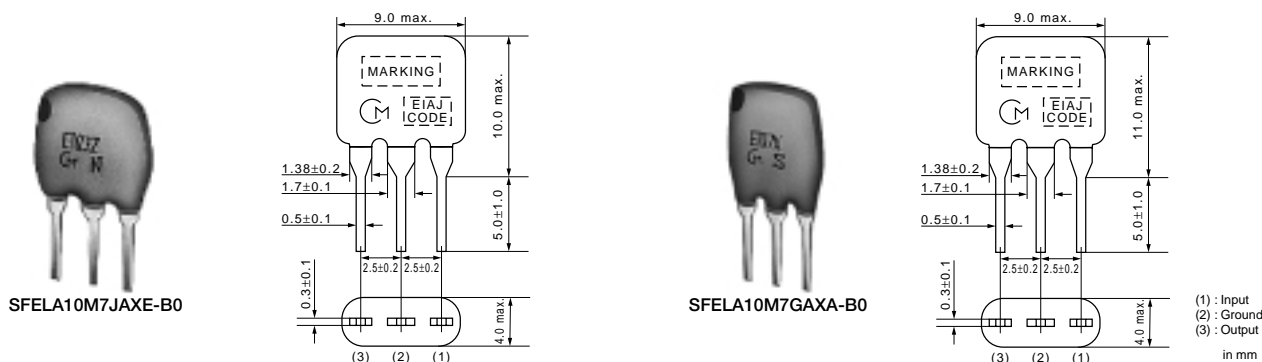
● Narrow-Band Type



Part Number	Nominal Center Frequency(fn) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SFKLA10M7NF00-B0	10.700	20 min.	95 max.	6.0 max.	24 min.
SFVLA10M7MF00-B0	10.700	fn±13 min.	135 max.	within5.5 ±2.5dB	35 min.
SFVLA10M7LF00-B0	10.700	fn±25 min.	200 max.	within5.5 ±2.5dB	30 min.

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz-fn]

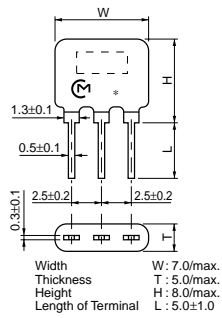
● For FM -IF Tuners



Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	GDT Bandwidth (kHz)
SFELA10M7JAXE-B0	10.700 ±30kHz	within150 ±30kHz	500 max.	14.0 max.	35 min.	fo±50 min.[within 0.15µsec.]
SFELA10M7HA0G-B0	10.700 ±30kHz	within180 ±40kHz	520 max.	7.0 max.	40 min.	fo±45 min.[within 0.5µsec.]
SFELA10M7HAXD-B0	10.700 ±30kHz	within180 ±30kHz	530 max.	14.0 max.	33 min.	fo±60 min.[within 0.15µsec.]
SFELA10M7GA0G-B0	10.700 ±30kHz	within230 ±50kHz	600 max.	7.0 max.	40 min.	fo±60 min.[within 0.5µsec.]
SFELA10M7GALM-B0	10.700 ±30kHz	within230 ±50kHz	600 max.	within9.0 ±2.0dB	30 min.	fo±60 min.[within 0.25µsec.]
SFELA10M7GAXA-B0	10.700 ±30kHz	within220 ±40kHz	610 max.	12.5 max.	30 min.	fo±80 min.[within 0.15µsec.]
SFELA10M7FA0G-B0	10.700 ±30kHz	within280 ±50kHz	650 max.	within4.0 ±2.0dB	30 min.	fo±85 min.[within 0.5µsec.]
SFELA10M7GALP03-B0	10.700 ±30kHz	within250 ±50kHz	650 max.	10.0 max.	30 min.	fo±65 min.[within 0.25µsec.]
SFELA10M7GAXX-B0	10.700 ±30kHz	within250 ±40kHz	670 max.	12.5 max.	25 min.	fo±110 min.[within 0.2µsec.]
SFELA10M7FALL-B0	10.700 ±30kHz	within280 ±50kHz	700 max.	within7.0 ±2.0dB	25 min.	fo±70 min.[within 0.25µsec.]

Area of Attenuation : [within 20dB] Area of Spurious Attenuation : [within 9MHz-fo]
Center frequency(fo) defined by the center of 3dB bandwidth.

● High-Frequency(BGS Filters)MKFGA Series



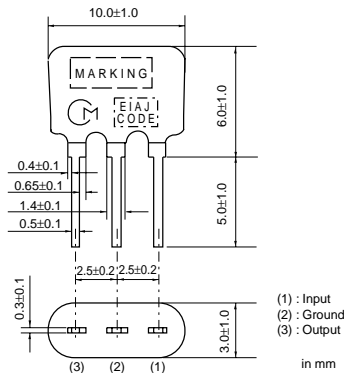
Marking : [E25.0CA]
 ©: Vender's Code
 * : EIAJ Monthly code

in mm

Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation	Insertion Loss (dB)	Spurious Attenuation (dB)
MKFGA25M0HA0P00B05	25.000 ±60kHz	within220 ±50kHz	-	5 max.	30 min.

Area of Spurious Attenuation : [Range : 23MHz~(fo-400kHz)]
 Center frequency(fo) defined by the center of 3dB bandwidth.

● Three-Elements Type SFTLA Series

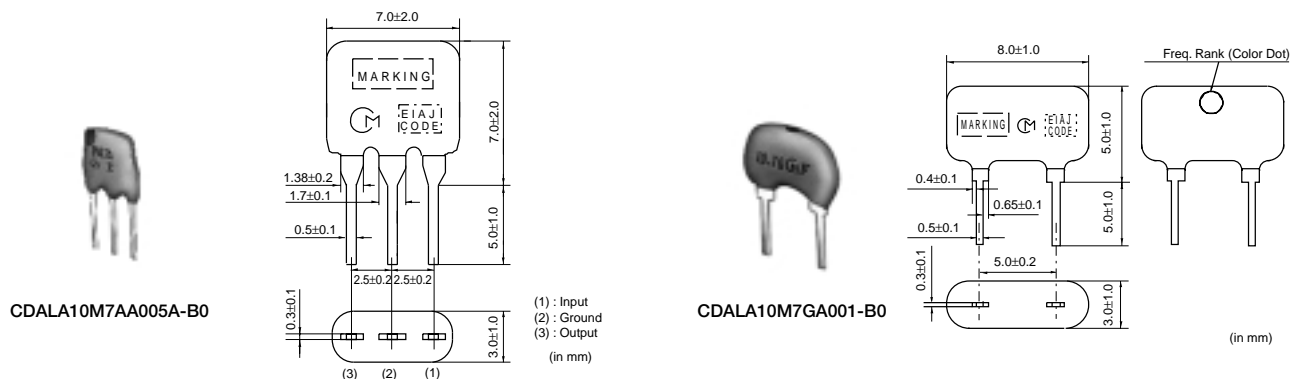


Part Number	Center Frequency (fo) (MHz)	3dB Bandwidth (kHz)	Attenuation (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)
SFTLA10M7HA00-B0	10.700 ±30kHz	within180 ±40kHz	550 max.	within6.0 ±2.0dB	50 min.
SFTLA10M7GA00-B0	10.700 ±30kHz	within230 ±40kHz	650 max.	within6.0 ±2.0dB	50 min.
SFTLA10M7FA00-B0	10.700 ±30kHz	within280 ±50kHz	700 max.	within6.0 ±2.0dB	50 min.

Area of Attenuation : [within 40dB] Area of Spurious Attenuation : [within 9MHz~fo]
 Center frequency(fo) defined by the center of 3dB bandwidth.

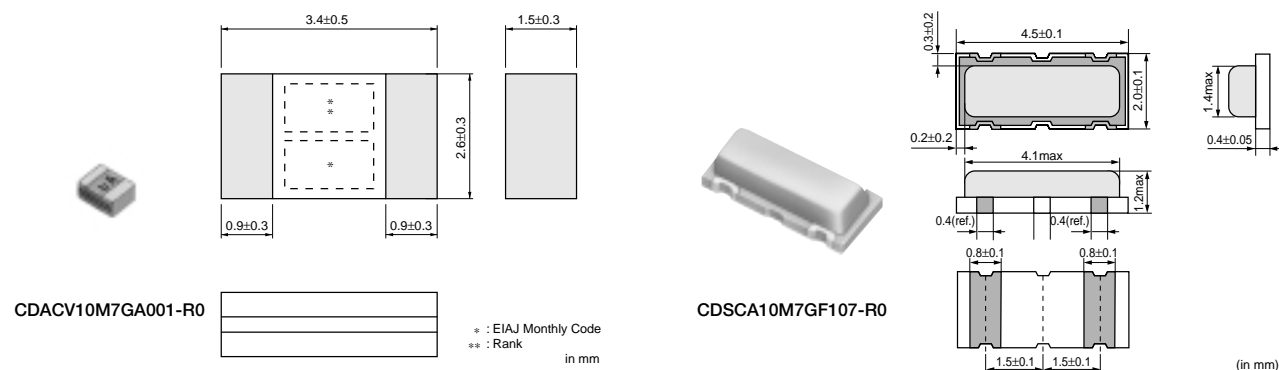
Discriminators for FM

● CDALA Series



Part Number	Center Frequency (fo) (MHz)	Recovered Audio 3dB BW (kHz)	Recovered Audio Output (mV)	Distortion (%)	IC	Detection Method
CDALA10M7AA005A-B0	10.700 ±30kHz	230 min.	260 min.	1.0 max.	CA3089E	Quadrature
CDALA10M7GA001-B0	10.700 ±30kHz	345 min.	25 min.	0.6 max.	CX-20029	Quadrature
CDALA10M7CA001-B0	10.700 ±30kHz	242 min.	35 min.	-	CX-20090	Quadrature
CDALA10M7AA019A-B0	10.700 ±20kHz	230 min.	120 min.	0.9 max.	HA1137W	Quadrature
CDALA10M7GA046-B0	10.700 ±30kHz	330 min.	280 min.	1.0 max.	LA1832	Quadrature
CDALA10M7GA048-B0	10.700 ±30kHz	400 min.	700 min.	1.0 max.	LA1835	Quadrature
CDALA10M7CA005A-B0	10.700 ±30kHz	100 min.	600 min.	6.0 max.	LA7770	Quadrature
CDALA10M7GA092-B0	10.700 ±30kHz	300 min.	60 min.	1.0 max.	TA2132P	Quadrature
CDALA10M7GA016-B0	10.700 ±30kHz	300 min.	within60 ~90mV	0.9 max.	TA8122AN	Quadrature
CDALA10M7GA018-B0	10.700 ±30kHz	300 min.	60 min.	0.9 max.	TA8132N	Quadrature
CDALA10M7CA040-B0	10.700 ±30kHz	130 min.	40 min.	0.7 max.	TEA5710	Quadrature

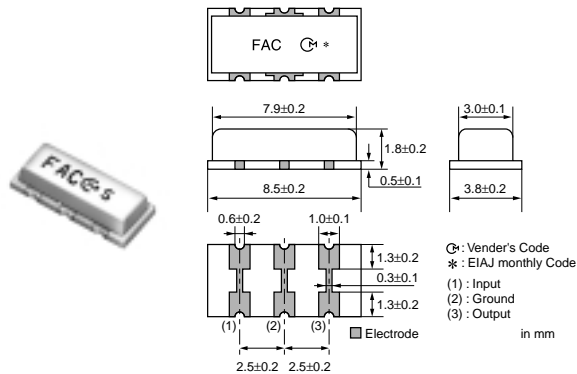
● Chip Type CDACV/CDSKA Series



Part Number	Center Frequency (fo) (MHz)	Recovered Audio 3dB BW (kHz)	Recovered Audio Output (mV)	Distortion (%)	IC	Detection Method
CDACV10M7GA001-R0	10.700 ±30kHz	fo±150 min.	55 min.	1.0 max.	CX-20029	Quadrature
CDACV10M7CA001-R0	10.700 ±30kHz	fo±150 min.	55 min.	1.0 max.	CX-20090	Quadrature
CDACV10M7GA069-R0	10.700 ±30kHz	330 min.	80 min.	1.0 max.	CXA1538N	Quadrature
CDACV10M7GA046-R0	10.700 ±30kHz	330 min.	280 min.	1.5 max.	LA1832	Quadrature
CDSCA10M7GF107-R0	10.700 (fn)	fn±80 min.	52 min.	3.0 max.	TA31272F	Quadrature
CDACV10M7GA016-R0	10.700 ±30kHz	300 min.	within60 ~90mV	0.9 max.	TA8122AN	Quadrature

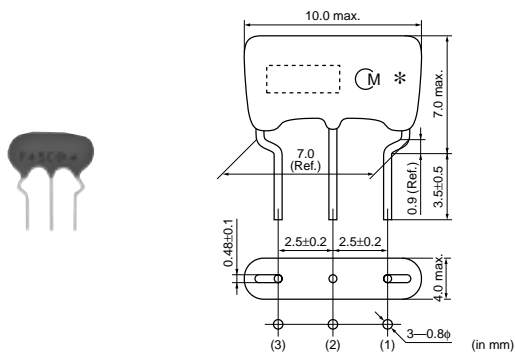
CERAFIL[®] for TV/VCR

● Chip Type SFSKA Series



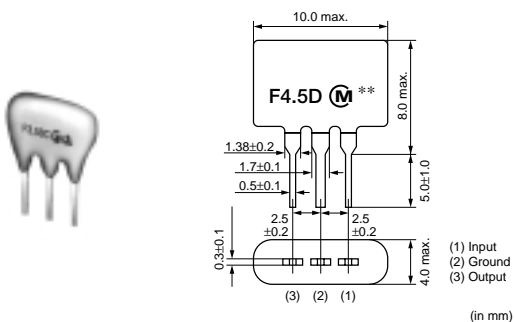
Part Number	Nominal Center Frequency (fn) (MHz)	3dB Bandwidth (kHz)	20dB Bandwidth (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Area of Spurious Attenuation	Input/Output Impedance (ohm)
SFSKA4M50CF00-R1	4.500	fn±60 min.	600 max.	6.0 max.	20 min.	[within 0~fn]	1000

● Picture Band Low-Spurious SFSRA Series



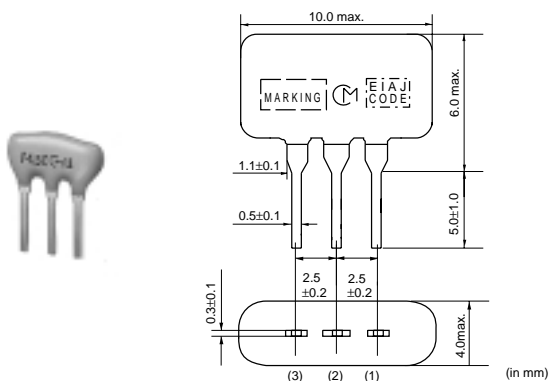
Part Number	Nominal Center Frequency (fn) (MHz)	3dB Bandwidth (kHz)	20dB Bandwidth (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Area of Spurious Attenuation	Input/Output Impedance (ohm)
SFSRA4M43CF00-B0	4.430	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0 to fn]	1000
SFSRA4M50CF00-B0	4.500	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0 to fn]	1000
SFSRA4M50DF00-B0	4.500	fn±70 min.	750 max.	6.0 max.	30 min.	[within 0 to fn]	1000
SFSRA4M50EF00-B0	4.500	fn±125 min.	850 max.	6.0 max.	25 min.	[within 0 to fn]	1000
SFSRA5M50BF00-B0	5.500	fn±50 min.	400 max.	8.0 max.	30 min.	[within 0 to fn]	600
SFSRA5M50CF00-B0	5.500	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0 to fn]	600
SFSRA5M50DF00-B0	5.500	fn±80 min.	750 max.	6.0 max.	30 min.	[within 0 to fn]	600
SFSRA5M74BF00-B0	5.742	fn±50 min.	400 max.	8.0 max.	30 min.	[within 0 to fn]	600
SFSRA5M74CF00-B0	5.742	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0 to fn]	600
SFSRA6M00CF00-B0	6.000	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0 to fn]	470
SFSRA6M00DF00-B0	6.000	fn±80 min.	750 max.	6.0 max.	30 min.	[within 0 to fn]	470
SFSRA6M50CF00-B0	6.500	fn±70 min.	650 max.	6.0 max.	30 min.	[within 0 to fn]	470
SFSRA6M50DF00-B0	6.500	fn±80 min.	800 max.	6.0 max.	30 min.	[within 0 to fn]	470

● Chroma Signal SFSRH Series



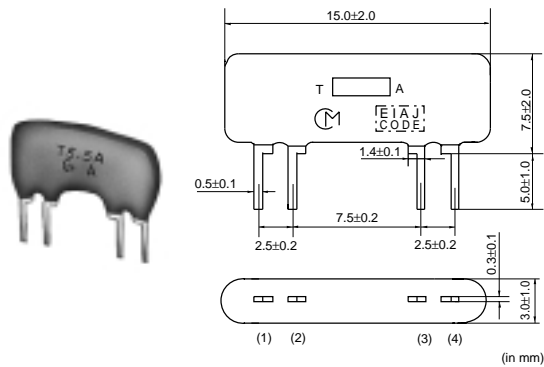
Part Number	Nominal Center Frequency (fn) (MHz)	3dB Bandwidth (kHz)	20dB Bandwidth (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Area of Spurious Attenuation	Input/Output Impedance (ohm)
SFSRH3M58CF00-B0	3.580	fn±40 min.	530 max.	6.0 max.	25 min.	[within 0 to fn]	1000

● Low-profile SFSRL Series



Part Number	Nominal Center Frequency (fn) (MHz)	3dB Bandwidth (kHz)	20dB Bandwidth (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Area of Spurious Attenuation	Input/Output Impedance (ohm)
SFSRL4M32DF00-B0	4.320	fn±70 min.	750 max.	6.0 max.	30 min.	[within 0 to fn]	1000
SFSRL4M50CF00-B0	4.500	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0~fn]	1000
SFSRL4M50DF00-B0	4.500	fn±70 min.	750 max.	6.0 max.	30 min.	[within 0~fn]	1000
SFSRL5M17DF00-B0	5.170	fn±70 min.	750 max.	7.5 max.	30 min.	[within 0~fn]	600
SFSRL5M50CF00-B0	5.500	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0~fn]	600
SFSRL5M50DF00-B0	5.500	fn±80 min.	750 max.	6.0 max.	30 min.	[within 0~fn]	600
SFSRL6M00CF00-B0	6.000	fn±60 min.	600 max.	6.0 max.	30 min.	[within 0~fn]	470
SFSRL6M00DF00-B0	6.000	fn±80 min.	750 max.	6.0 max.	30 min.	[within 0~fn]	470
SFSRL6M50CF00-B0	6.500	fn±70 min.	650 max.	6.0 max.	30 min.	[within 0~fn]	470
SFSRL6M50DF00-B0	6.500	fn±80 min.	800 max.	6.0 max.	30 min.	[within 0~fn]	470

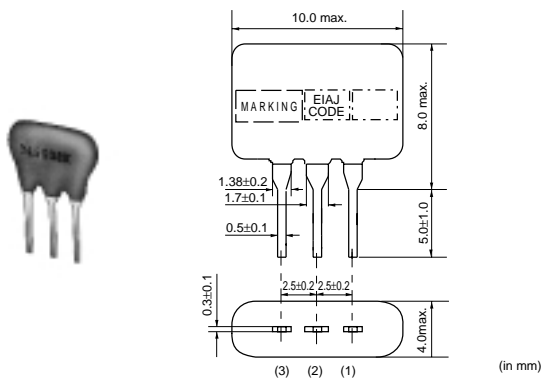
● High-selectivity Type SFTRD Series



Part Number	Nominal Center Frequency (fn) (MHz)	3dB Bandwidth (kHz)	20dB Bandwidth (kHz)	Insertion Loss (dB)	Spurious Attenuation (dB)	Area of Spurious Attenuation	Input/Output Impedance (ohm)
SFTRD4M50AF00-B0	4.500	fn±40 min.	370 max.	10.0 max.	50 min.	[within fn-1.0MHz~fn]	1000
SFTRD4M72AF00-B0	4.724	fn±40 min.	370 max.	10.0 max.	50 min.	[within fn-1.0MHz~fn]	1000
SFTRD5M50AF00-B0	5.500	fn±50 min.	350 max.	9.0 max.	50 min.	[within fn-1.0MHz~fn]	600
SFTRD5M74AF00-B0	5.742	fn±50 min.	350 max.	9.0 max.	50 min.	[within fn-1.0MHz~fn]	600
SFTRD6M00AF00-B0	6.000	fn±50 min.	400 max.	9.0 max.	50 min.	[within fn-1.0MHz~fn]	470
SFTRD6M25AF00-B0	6.250	fn±50 min.	400 max.	9.0 max.	50 min.	[within fn-1.0MHz~fn]	470
SFTRD6M50AF00-B0	6.500	fn±50 min.	400 max.	9.0 max.	50 min.	[within fn-1.0MHz~fn]	470
SFTRD6M74AF00-B0	6.742	fn±50 min.	400 max.	9.0 max.	50 min.	[within fn-1.0MHz~fn]	470

Discriminators for TV/VCR

● Wide-Band Type CDSRH Series



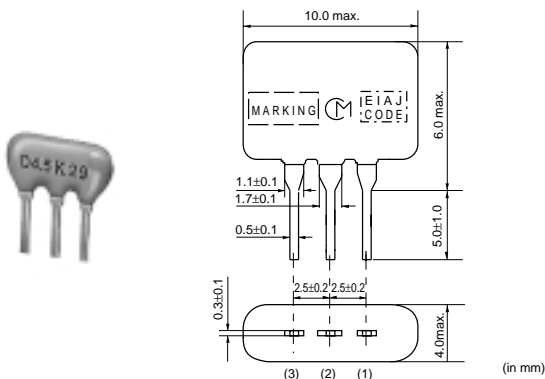
Part Number	Center Frequency (fn) (MHz)	Recovered Audio 3dB BW (kHz)	Recovered Audio Output Voltage(at fn) (mV)	Distortion (%)	IC	Detection Method
CDSRH4M50CK026-B0	4.500	fn±40 min.	70 min.	1.2 max.	LA7530	Quadrature
CDSRH5M50CK026-B0	5.500	fn±50 min.	500 min.	3.0 max.	LA7530	Quadrature
CDSRH6M00CK026-B0	6.000	fn±50 min.	400 min.	3.0 max.	LA7530	Quadrature
CDSRH6M50CK026-B0	6.500	fn±35 min.	400 min.	3.0 max.	LA7530	Quadrature
CDSRH4M50EK020-B0	4.500	fn±80 min.	245 min.	1.0 max.	LA7550/7555	Quadrature
CDSRH6M50EK020-B0	6.500	fn±110 min.	350 min.	1.2 max.	LA7550/7555	Quadrature
CDSRH4M50EK049-B0	4.500	fn±100 min.	220 min.	1.0 max.	LA7577	Quadrature
CDSRH5M50EK049-B0	5.500	fn±60 min.	500 min.	1.0 max.	LA7577	Quadrature
CDSRH6M00EK049-B0	6.000	fn±60 min.	500 min.	1.0 max.	LA7577	Quadrature
CDSRH6M50EK049-B0	6.500	fn±60 min.	500 min.	1.0 max.	LA7577	Quadrature
CDSRH4M50EK035-B0	4.500	fn±55 min.	240 min.	1.0 max.	LA7680/7681	Quadrature
CDSRH5M50EK035-B0	5.500	fn±80 min.	350 min.	1.0 max.	LA7680/7681	Quadrature
CDSRH4M50CK030-B0	4.500	fn±40 min.	within 130 +30/-20mV	3.0 max.	M51348FP	Quadrature

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Part Number	Center Frequency (fn) (MHz)	Recovered Audio 3dB BW (kHz)	Recovered Audio Output Voltage(at fn) (mV)	Distortion (%)	IC	Detection Method
CDSRH5M50CK030-B0	5.500	fn±55 min.	150 min.	3.0 max.	M51348FP	Quadrature
CDSRH6M00CK030-B0	6.000	fn±55 min.	150 min.	3.0 max.	M51348FP	Quadrature
CDSRH4M50CK029-B0	4.500	fn±65 min.	250 min.	1.2 max.	M51365SP	Quadrature
CDSRH5M50CK029-B0	5.500	fn±70 min.	420 min.	1.5 max.	M51365SP	Quadrature
CDSRH6M00CK029-B0	6.000	fn±70 min.	450 min.	1.7 max.	M51365SP	Quadrature
CDSRH6M50CK029-B0	6.500	fn±70 min.	430 min.	2.0 max.	M51365SP	Quadrature
CDSRH4M50EK023-B0	4.500	fn±60 min.	230 min.	2.5 max.	M51496P	Quadrature
CDSRH5M50EK023-B0	5.500	fn±45 min.	220 min.	1.0 max.	M51496P	Quadrature
CDSRH4M50EK070-B0	4.500	fn±50 min.	65 min.	1.5 max.	M52007FP	Quadrature
CDSRH4M50EK060-B0	4.500	fn±90 min.	90 min.	1.0 max.	M52318SP	Quadrature
CDSRH5M50EK060-B0	5.500	fn±70 min.	190 min.	1.5 max.	M52318SP	Quadrature
CDSRH6M00EK060-B0	6.000	fn±60 min.	180 min.	2.5 max.	M52318SP	Quadrature
CDSRH6M50EK060-B0	6.500	fn±60 min.	160 min.	2.5 max.	M52318SP	Quadrature
CDSRH4M50EK069-B0	4.500	fn±60 min.	320 min.	1.5 max.	TA8701N	Quadrature
CDSRH5M50EK054-B0	5.500	fn±100 min.	300 min.	1.2 max.	TDA3857	Quadrature
CDSRH5M74EK054-B0	5.742	fn±90 min.	340 min.	1.2 max.	TDA3857	Quadrature
CDSRH6M00EK054-B0	6.000	fn±90 min.	340 min.	1.5 max.	TDA3857	Quadrature
CDSRH6M50EK054-B0	6.500	fn±90 min.	340 min.	1.5 max.	TDA3857	Quadrature
CDSRH4M50CK020-B0	4.500	fn±50 min.	280 min.	2.0 max.	μPC1382C	Quadrature
CDSRH6M50CK020-B0	6.500	fn±60 min.	480 min.	2.0 max.	μPC1382C	Quadrature

● Low-Profile Type CDSRL Series



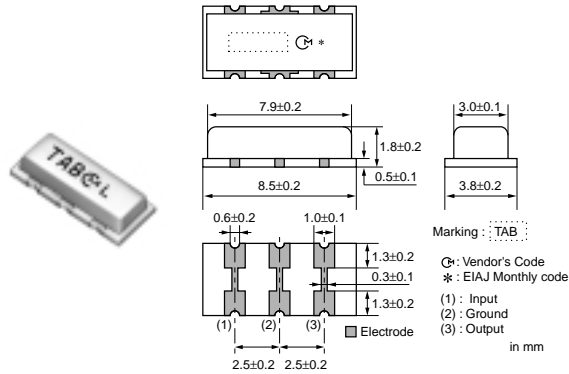
Part Number	Center Frequency (fn) (MHz)	Recovered Audio 3dB BW (kHz)	Recovered Audio Output Voltage(at fn) (mV)	Distortion (%)	IC	Detection Method
CDSRL6M50CK026-B0	6.500	fn±35 min.	400 min.	3.0 max.	LA7530	Quadrature
CDSRL4M50EK020-B0	4.500	fn±80 min.	245 min.	1.0 max.	LA7550/7555	Quadrature
CDSRL5M50EK020-B0	5.500	fn±100 min.	330 min.	1.2 max.	LA7550/7555	Quadrature
CDSRL4M50CK030-B0	4.500	fn±40 min.	within 130 +30/-20mV	3.0 max.	M51348FP	Quadrature
CDSRL5M50CK030-B0	5.500	fn±55 min.	150 min.	3.0 max.	M51348FP	Quadrature
CDSRL6M00CK030-B0	6.000	fn±55 min.	150 min.	3.0 max.	M51348FP	Quadrature
CDSRL4M50CK029-B0	4.500	fn±65 min.	250 min.	1.2 max.	M51365SP	Quadrature
CDSRL6M00CK029-B0	6.000	fn±70 min.	450 min.	1.7 max.	M51365SP	Quadrature
CDSRL4M50CK020-B0	4.500	fn±50 min.	280 min.	2.0 max.	μPC1382C	Quadrature
CDSRL6M50CK020-B0	6.500	fn±60 min.	480 min.	2.0 max.	μPC1382C	Quadrature

All CDSRH series are available as low-profile type CDSRL series.

Traps for TV/VCR

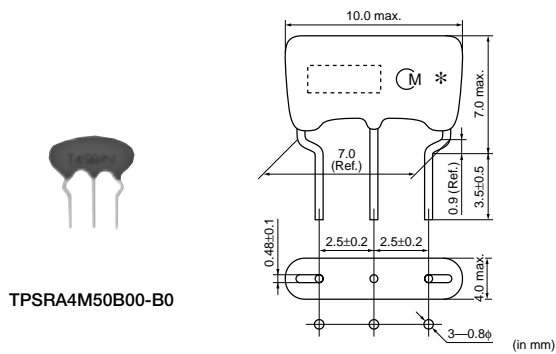
Ceramic Traps

● Chip Type TPSKA Series

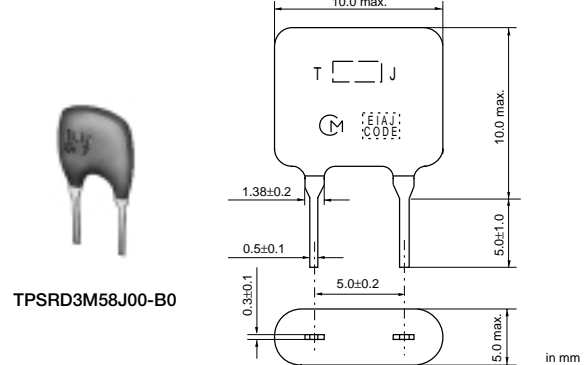


Part Number	Center Frequency (fn1) (MHz)	Attenuation (at fn1) (dB)	30dB Attenuation BW (fn1) (kHz)
TPSKA4M50B00-R1	4.500	35 min.	50 min.

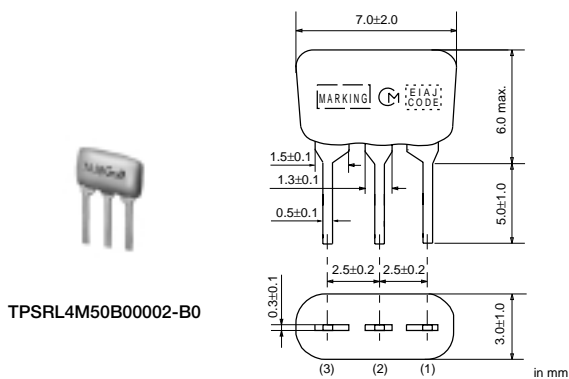
● TPSR Series



TPSRA4M50B00-B0



TPSRD3M58J00-B0



TPSRL4M50B00002-B0

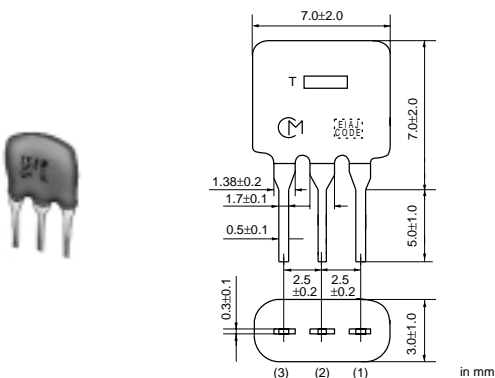
Part Number	Center Frequency (fn1) (MHz)	Attenuation (at fn1) (dB)	30dB Attenuation BW (fn1) (kHz)
TPSRA4M50B00-B0	4.500	35 min.	50 min.
TPSRA4M50C00-B0	4.500	30 min.	-
TPSRA5M50B00-B0	5.500	35 min.	70 min.
TPSRA5M74B00-B0	5.742	35 min.	70 min.
TPSRA6M00B00-B0	6.000	35 min.	70 min.
TPSRA6M50B00-B0	6.500	35 min.	70 min.
TPSRD3M58J00-B0	3.580	20 min.	20 min. [20dB Att. BW]
TPSRD4M43J00-B0	4.430	20 min.	40 min. [20dB Att. BW]

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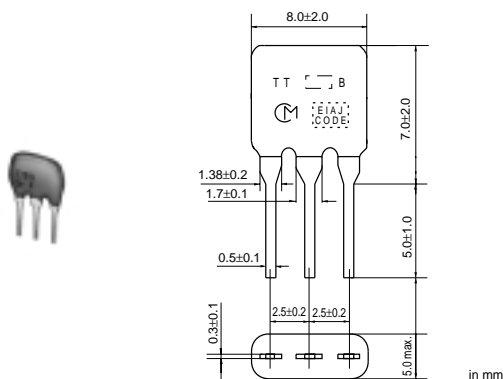
Part Number	Center Frequency (fn1) (MHz)	Attenuation (at fn1) (dB)	30dB Attenuation BW (fn1) (kHz)
TPSRD4M50J00-B0	4.500	20 min.	30 min. [20dB Att. BW]
TPSRD5M50J00-B0	5.500	20 min.	30 min. [20dB Att. BW]
TPSRD5M74J00-B0	5.742	20 min.	30 min. [20dB Att. BW]
TPSRD6M00J00-B0	6.000	20 min.	40 min. [20dB Att. BW]
TPSRD6M50J00-B0	6.500	20 min.	40 min. [20dB Att. BW]
TPSRL4M50B00002-B0	4.500	35 min.	50 min.
TPSRL4M50C00-B0	4.500	30 min.	-

● TPSRD Series for 2ch Sound TV in Germany



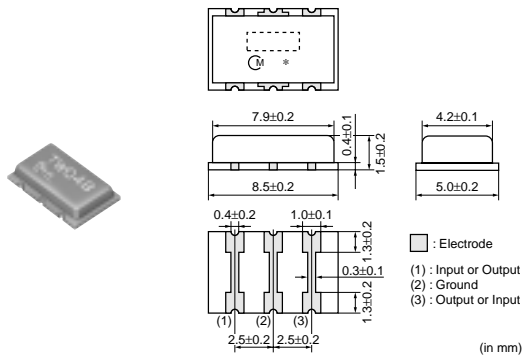
Part Number	Center Frequency (fn1) (MHz)	Center Frequency (fn2) (MHz)	Attenuation (at fn1) (dB)	Attenuation (at fn2) (dB)	30dB Attenuation BW (fn1) (kHz)
TPSRD5M50W00-B0	5.500	5.742	32 min.	25 min.	70 min.

● Triple Traps TPTRD Series



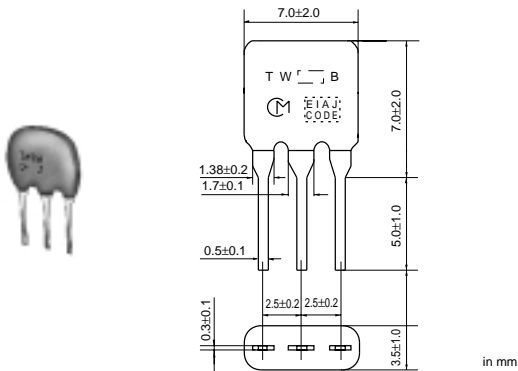
Part Number	Center Frequency (fn1) (MHz)	Center Frequency (fn2) (MHz)	Center Frequency (fn3) (MHz)	Attenuation (at fn1) (dB)	Attenuation (at fn2) (dB)	Attenuation (at fn3) (dB)	30dB Attenuation BW (fn1) (kHz)
TPTRD5M50B01-B0	5.500	6.000	6.500	30 min.	30 min.	30 min.	50 min.
TPTRD5M50B02-B0	5.500	5.742	6.500	30 min.	30 min.	30 min.	50 min.
TPTRD5M50B04-B0	5.500	5.742	6.000	30 min.	30 min.	30 min.	50 min.

● Chip Type Double Trap TPWKA Series



Part Number	Center Frequency (fn1) (MHz)	Center Frequency (fn2) (MHz)	Attenuation (at fn1) (dB)	Attenuation (at fn2) (dB)	30dB Attenuation BW (fn1) (kHz)
TPWKA5M50B04-R1	5.500	5.742	30 min.	30 min.	50 min.

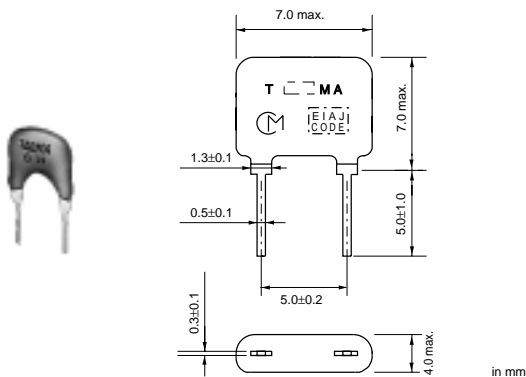
● Double Traps TPWRD Series



Part Number	Center Frequency (fn1) (MHz)	Center Frequency (fn2) (MHz)	Attenuation (at fn1) (dB)	Attenuation (at fn2) (dB)	30dB Attenuation BW (fn1) (kHz)
TPWRD4M50B05-B0	4.500	6.000	30 min.	30 min.	50 min.
TPWRD4M50B06-B0	4.500	4.850	30 min.	30 min.	50 min.
TPWRD4M50B10-B0	4.500	4.724	30 min.	30 min.	50 min.
TPWRD4M50B11-B0	4.500	5.500	30 min.	30 min.	50 min.
TPWRD5M50B02-B0	5.500	6.500	30 min.	30 min.	50 min.
TPWRD5M50B03-B0	5.500	6.000	30 min.	30 min.	50 min.
TPWRD5M50B04-B0	5.500	5.742	30 min.	30 min.	50 min.
TPWRD5M50B07-B0	5.500	5.850	30 min.	30 min.	50 min.
TPWRD6M00B01-B0	6.000	6.500	30 min.	30 min.	70 min.

Traps for TV/VCR

BGS Traps



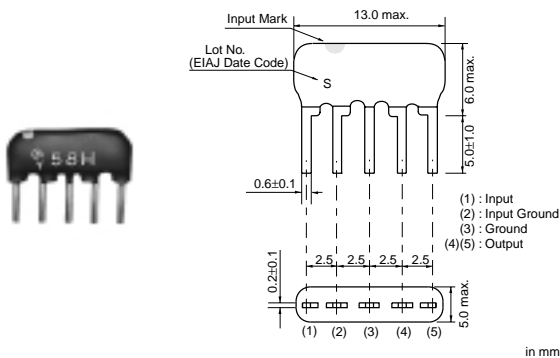
Part Number	Nominal Center Frequency (fn) (MHz)	Attenuation at fp (dB)	Attenuation at fs (dB)	6dB Bandwidth (kHz)	10dB Bandwidth (kHz)
MKTGA30M0AALP00B05	30.0	-	2.0 max.	-	±65.0 min.
MKTGA30M9AALP00B05	30.9	-	2.0 max.	-	±65.0 min.
MKTGA31M2AALP00B05	31.2	-	2.0 max.	-	±65.0 min.
MKTGA31M5AALP00B05	31.5	-	2.0 max.	-	±65.0 min.
MKTGA31M9AALP00B05	31.9	-	2.0 max.	-	±65.0 min.
MKTGA32M0AALP00B05	32.0	-	2.0 max.	-	±65.0 min.
MKTGA39M5AAHP00B05	39.5	2.0 max.	-	-	±65.0 min.
MKTGA39M7AALP00B05	39.75	2.0 max.	-	-	±65.0 min.
MKTGA40M4AAHP00B05	40.4	2.0 max.	-	-	±65.0 min.
MKTGA40M7AAHP00B05	40.7	2.0 max.	-	-	±65.0 min.
MKTGA40M9AAHP00B05	40.9	2.0 max.	-	-	±65.0 min.
MKTGA41M5AAHP00B05	41.5	2.0 max.	-	-	±65.0 min.
MKTGA47M2AAHP00B05	47.25	2.0 max.	-	-	±65.0 min.
MKTGA47M2CAHP00B05	47.25	0.5 max.	-	±45 min. (from fn) , 180kHz min. (total)	-
MKTGA60M2CAHP00B05	60.25	0.5 max.	-	±45 min. (from fn) , 180kHz min. (total)	-

SAW Filters for TV/VCR

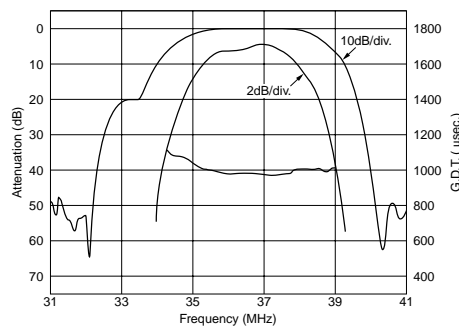
Filters for Audio Visual Equipment

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● For Color TV/VCR



Frequency Characteristics



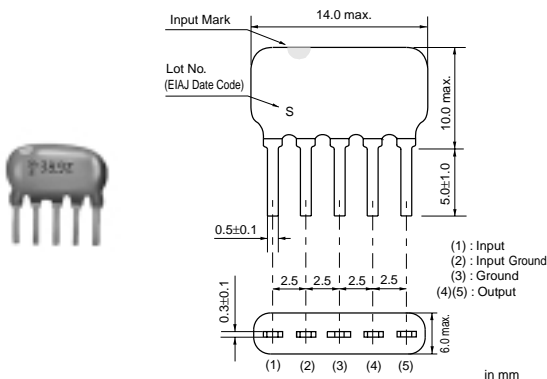
Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGB38M9VZ0Z00B03	24.0 max.	5.0 ±1.2	5.5 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0~31.90MHz]	30 min. [40.40~47.00MHz]
SAFGB39M5VZ0Z00B03	25.0 max.	5.0 ±1.2	5.0 ±1.5	22.0 ±3.0	40 min.	40 min.	30 min. [0~31.50MHz]	30 min. [41.50~47.00MHz]

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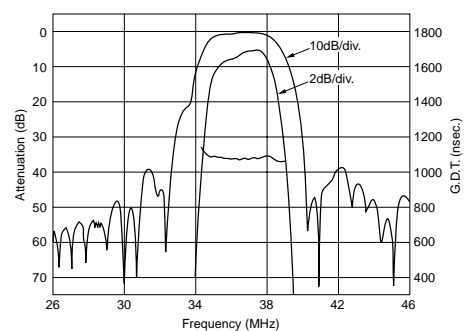
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Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGB45M7VA0Z00B03	21.0 max.	4.0 ±1.2	4.5 ±1.5	18.0 ±3.0	40 min.	40 min.	30 min. [0~39.75MHz]	30 min. [47.25~56.00MHz]
SAFGB58M7VH0Z00B03	20.0 max.	4.2 ±1.2	4.2 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0~52.75MHz]	30 min. [60.25~70.00MHz]
SAFGK36M9VZ0Z00B03	25.0 max.	5.0 ±1.2	5.0 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0~29.875MHz]	30 min. [38.375~45.000MHz]
SAFGM38M0VK0Z00B03	21.5 max.	5.8 ±1.2	4.1 ±1.5	21.0 ±3.0	40 min.	40 min.	30 min. [0~30.00MHz]	30 min. [39.50~46.00MHz]
SAFGM39M5VZCZ00B03	25.0 max.	6.0 ±1.2	3.9 ±1.5	19.0 ±2.5	40 min.	40 min.	30 min. [0~31.50MHz]	30 min. [41.50~47.00MHz]
SAFGM45M7VBPZL0B03	14.5 max.	4.6 ±1.2	1.8 ±1.5	19.5 ±3.0	40.0 min.	40.0 min.	33.0 min. [0 to 39.75MHz]	33.0 min. [47.25 to 53.00MHz]
SAFGM45M7VFLZL0B03	14.5 max.	5.7 ±1.5	2.8 ±1.2	20.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 39.75MHz]	30.0 min. [47.25 to 56.00MHz]
SAFGN38M0VZ0Z00B03	27.0 max.	6.0 ±1.5	6.6 ±1.5	25.0 ±3.0	40 min.	40 min.	30 min. [0~30.00MHz]	30 min. [39.50~47.00MHz]
SAFGN38M0VZEZ00B03	25.0 max.	4.8 ±1.2	3.8 ±1.3	17.5 ±3.0	40 min.	40 min.	30 min. [0~30.00MHz]	30 min. [39.50~47.00MHz]
SAFGN38M9VZ0Z00B03	24.0 max.	5.0 ±1.2	5.8 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0~31.90MHz]	30 min. [40.40~47.00MHz]
SAFGN39M5VZ0Z00B03	25.0 max.	5.0 ±1.2	4.5 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0~31.50MHz]	30 min. [41.50~47.00MHz]
SAFGN45M7VA0Z00B03	21.0 max.	4.0 ±1.2	4.5 ±1.5	18.0 ±3.0	40 min.	40 min.	30 min. [0~39.75MHz]	30 min. [47.25~56.00MHz]
SAFGN58M7VH0Z00B03	21.0 max.	4.2 ±1.2	4.2 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0~52.75MHz]	30 min. [60.25~70.00MHz]
SAFGB32M7VZ0Z00B03	25.0 max.	6.5 ±1.5	1.0 ±1.0	38.0 min.	40 min.	35 min.	30 min. [0~31.20MHz]	30 min. [39.20~47.00MHz]
SAFGM38M9VVBZ00B03	24.0 max.	4.5 ±1.2	4.8 ±1.5	25.0 min.	40 min.	40 min.	30 min. [0~31.90MHz]	30 min. [40.40~47.00MHz]
SAFGM45M7VVGZ00B03	23.0 max.	3.0 ±1.0	3.3 ±1.0	25.0 min.	40 min.	40 min.	30 min. [0~39.75MHz]	29 min. [47.25~56.00MHz]
SAFGM58M7VVBZ00B03	20.0 max.	4.5 ±1.2	4.5 ±1.5	25.0 min.	40 min.	40 min.	30 min. [0~52.75MHz]	30 min. [60.25~70.00MHz]
SAFGN32M7VZ0Z00B03	26.0 max.	6.5 ±1.5	2.0 max.	38.0 min.	40.0 min.	35.0 min.	30.0 min. [0 to 31.20MHz]	30.0 min. [39.20 to 47.00MHz]
SAFGN38M9VVEZ00B03	23.0 max.	4.5 ±1.2	4.7 ±1.5	25.0 min.	42 min.	45 min.	35 min. [0~31.90MHz]	33 min. [40.40~47.00MHz]

● For Compliance with FTZ Regulations(Germany)

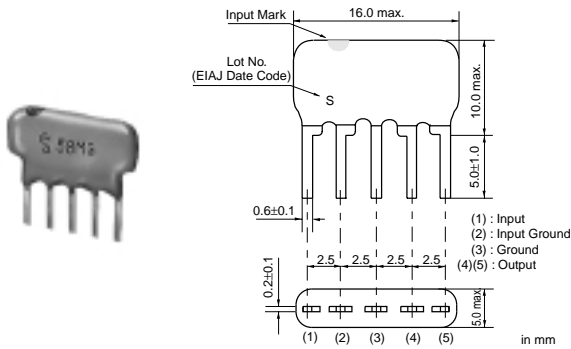


Frequency Characteristics

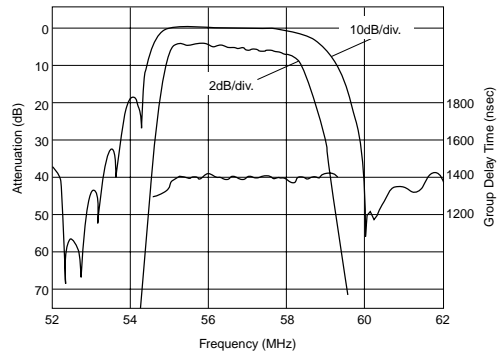


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGK38M9VZRZ00B03	24.0 max.	4.5 ±1.2	4.5 ±1.5	22.0 ±3.0	40 min.	40 min.	30 min. [0~31.90MHz]	30 min. [40.40~47.00MHz]
SAFGM38M9VZH05B03	23.5 max.	4.5 ±1.2	4.7 ±1.0	19.5 ±2.0	42 min.	45 min.	32 min. [0~30.90MHz]	37 min. [40.40~47.00MHz]
SAFGM38M9VZRZ00B03	24.0 max.	4.7 ±1.2	4.5 ±1.5	22.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 31.90MHz]	30.0 min. [40.40 to 47.00MHz]
SAFGN38M9VZWZ00B03	22.5 max.	4.5 ±1.2	3.1 ±1.0	17.5 ±3.0	43 min.	36 min.	33 min. [0~31.40MHz]	33 min. [41.40~47.00MHz]
SAFGN39M5VZ0Z05B03	24.0 max.	5.0 ±1.0	4.5 ±1.0	20.5 ±2.0	44 min.	45 min.	40 min. [0~31.50MHz]	34 min. [41.50~47.00MHz]

● For High Picture Level(Broad-Band Type)



Frequency Characteristics

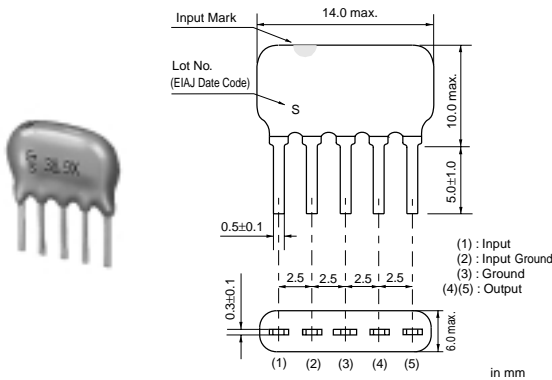


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGH58M7VVGZ00B03	23.0 max.	4.8 ±1.2	1.0 max.	20.0 min.	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 70.00MHz]
SAFGK45M7VVEZ00B03	23.0 max.	5.0 ±1.2	1.2 max.	20.0 min.	40 min.	40 min.	30 min. [0~39.75MHz]	28 min. [47.25~56.00MHz]
SAFGK58M7VVGZ00B03	23.0 max.	4.8 ±1.2	1.0 max.	20.0 min.	40 min.	40 min.	30 min. [0~52.75MHz]	30 min. [60.25~70.00MHz]

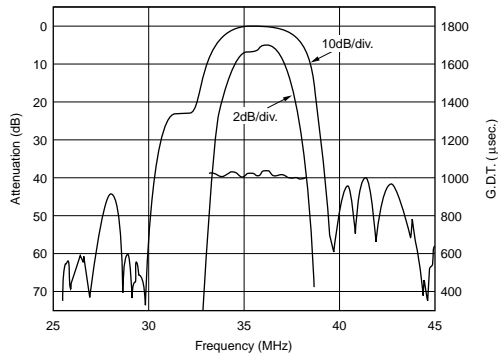
Filters for Audio Visual Equipment

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● For Multi-System TV/VCR



Frequency Characteristics



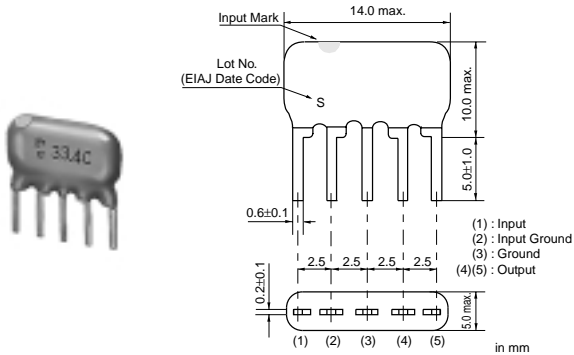
Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGK38M0VZJZ00B03	29.0 max.	5.1 ±1.2	4.2 ±1.5	22.0 ±3.0	40 min.	40 min.	30 min. [0~30.00MHz]	30 min. [39.50~47.00MHz]
SAFGM38M0VZJZ00B03	25.5 max.	4.6 ±1.2	3.4 ±1.3	19.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 30.00MHz]	30.0 min. [39.50 to 45.00MHz]

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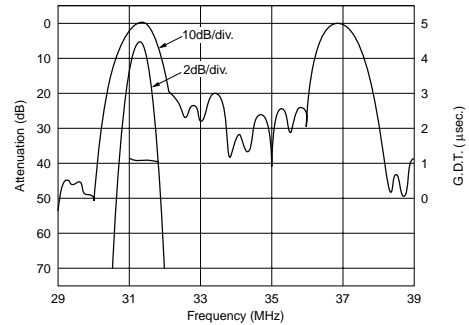
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Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGM38M9VZ0Z00B03	26.0 max.	5.0 ±1.2	3.4 ±1.0	18.0 ±3.0	40 min.	35 min.	30 min. [0~31.90MHz]	30 min. [40.40~47.00MHz]
SAFGM38M9VZA0Z00B03	25.0 max.	4.5 ±1.3	4.5 ±1.3	16.5 ±3.0	40 min.	40 min.	30 min. [0~30.90MHz]	30 min. [40.40~47.00MHz]
SAFGM38M9VZC0Z00B03	26.0 max.	3.7 ±1.3	4.3 ±1.3	15.5 ±3.0	40 min.	40 min.	30 min. [0~30.90MHz]	30 min. [40.40~47.00MHz]

● For TV/VCR SIF

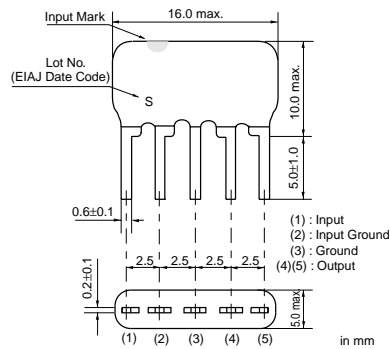


Frequency Characteristics

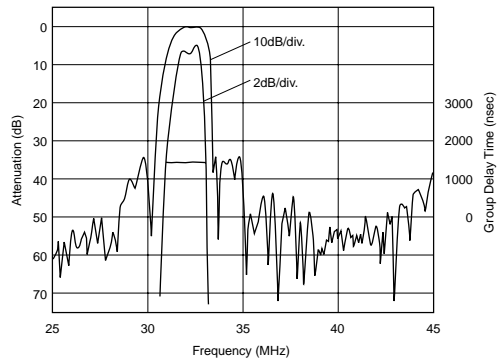


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGH31M4VD0Z00B03	28.0 max.	0 ±3.0	15.0 min.	-	35 min.	35 min.	30 min. [0~29.875MHz]	30 min. [38.375~47.00MHz]
SAFGH32M9VDEZ00B03	25.0 max.	4.3 ±3.0	15.0 min.	-	35 min.	25 min.	22 min. [0~31.50MHz]	30 min. [41.50~50.00MHz]
SAFGH33M0VDAZ00B03	26.0 max.	5.0 ±0.3	12.0 min.	-	26 min.	20 min.	15 min. [0~31.90MHz]	22 min. [40.40~50.00MHz]
SAFGN33M0VDAZ00B03	27.5 max.	5.0 ±3.0	12.0 min.	3.0 ±3.0	26.0 min.	20.0 min.	15.0 min. [0 to 31.90MHz]	22.0 min. [40.40 to 50.00MHz]
SAFGH39M2VC0Z00B03	19.0 max.	40.0 min.	35.0 min.	-	40.0 min.	30.0 min.	30.0 min. [0 to 31.20MHz]	30.0 min. [40.70 to 50.00MHz]
SAFGM33M4VC0Z00B03	20.0 max.	40.0 min.	20.0 min.	-	40 min.	35 min.	30 min. [0~31.90MHz]	30 min. [40.40~47.00MHz]
SAFGM33M4VD0Z00B03	20.0 max.	0 ±3.0	20.0 min.	-	35 min.	35 min.	30 min. [0~31.90MHz]	30 min. [40.40~50.00MHz]
SAFGM41M2VC0Z00B03	17.0 max.	40.0 min.	17.0 min.	-	40 min.	37 min.	28 min. [0~39.75MHz]	30 min. [43.75~56.00MHz]
SAFGM41M2VD0Z00B03	17.0 max.	0.0 ±3.0	20.0 min.	-	35 min.	35 min.	30 min. [0~39.75MHz]	30 min. [47.75~55.00MHz]
SAFGM54M2VC0Z00B03	16.0 max.	40.0 min.	17.0 min.	-	40 min.	37 min.	28 min. [0~52.75MHz]	30 min. [56.75~70.00MHz]
SAFGM54M2VD0Z00B03	20.0 max.	0.0 ±3.0	20.0 min.	-	35 min.	30 min.	28 min. [0~52.75MHz]	28 min. [60.25~70.00MHz]

● For Multi-System TV/VCR SIF

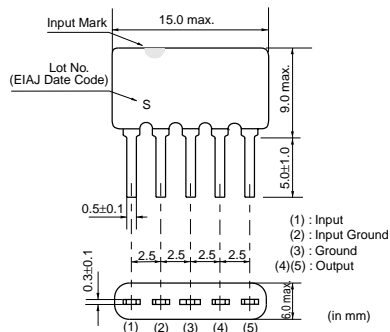


Frequency Characteristics

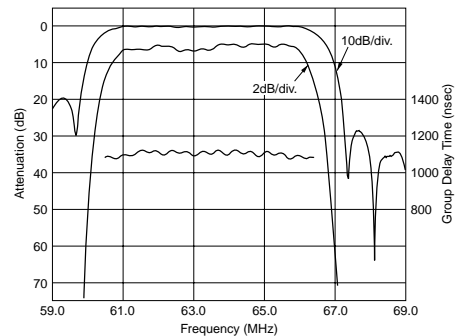


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGH32M0VCAZ00B03	26.0 max.	35.0 min.	25.0 min.	3.0 max.	40 min.	35 min.	30 min. [0~30.00MHz]	22 min. [33.57~42.00MHz]
SAFGH32M9VCAZ00B03	25.0 max.	35.0 min.	25.0 min.	3.0 max.	40 min.	35 min.	30 min. [0~30.90MHz]	22 min. [34.47~42.00MHz]
SAFGH33M4VCDZ00B03	29.0 max.	30.0 min.	20.0 min.	2.0 max.	30 min.	28 min.	25 min. [0~30.90MHz]	30 min. [40.40~46.00MHz]
SAFGM33M4VCBZ00B03	30.0 max.	30.0 min.	14.0 min.	3.0 max.	30 min.	35 min.	25 min. [0~30.90MHz]	25 min. [40.40~46.00MHz]
SAFGM33M4VCDZ00B03	32.0 max.	30.0 min.	20.0 min.	2.0 max.	30.0 min.	28.0 min.	25.0 min. [0 to 30.90MHz]	30.0 min. [40.40 to 46.00MHz]

● For CATV



Frequency Characteristics



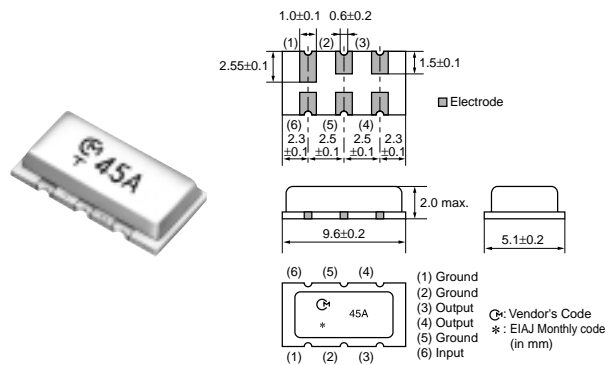
Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGB61M2VD0Z00B03	22.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27 min. [0~55.25MHz]	27 min. [68.25~80.00MHz]
SAFGH45M7VT0Z00B03	23.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27 min. [0~38.75MHz]	27 min. [51.75~57.00MHz]
SAFGH58M7VT0Z01B03	22.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27 min. [0~51.75MHz]	27 min. [64.75~70.00MHz]
SAFGH61M2VZ0Z02B03	22.0 max.	5.5 ±1.2	5.5 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0~59.75MHz]	28 min. [67.25~80.00MHz]
SAFGH65M7VA0Z02B03	18.0 max.	-	-	-	-	-	20 min. [0~64.70MHz]	20 min. [66.80~100.00MHz]
SAFGM65M7VA0Z00B03	18.5 max.	-	-	-	-	-	20.0 min. [0 to 64.70MHz]	20.0 min. [66.80 to 100.00MHz]
SAFGN45M7VT0Z00B03	23.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27.0 min. [0 to 38.50MHz]	27.0 min. [51.75 to 57.00MHz]

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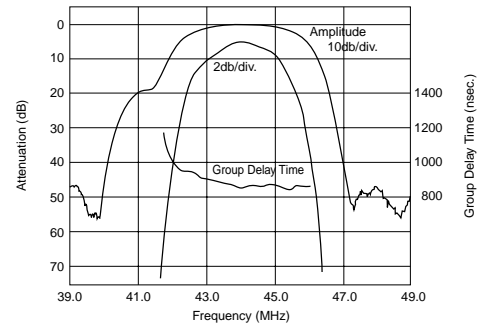
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Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFGN58M7VT0Z00B03	22.5 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27.0 min. [0 to 51.75MHz]	27.0 min. [64.75 to 70.00MHz]
SAFGN61M2VB0Z00B03	20.0 max.	.	0.0 ±1.0	2.0 max.	-	-	26 min. [0~55.25MHz]	26 min. [67.25~80.00MHz]
SAFGN58M7VHAZ00B03	22.0 max.	4.0 ±1.2	4.4 ±1.5	17.5 ±2.5	40 min.	40 min.	30 min. [0~52.75MHz]	30 min. [60.25~72.00MHz]

● Chip Type

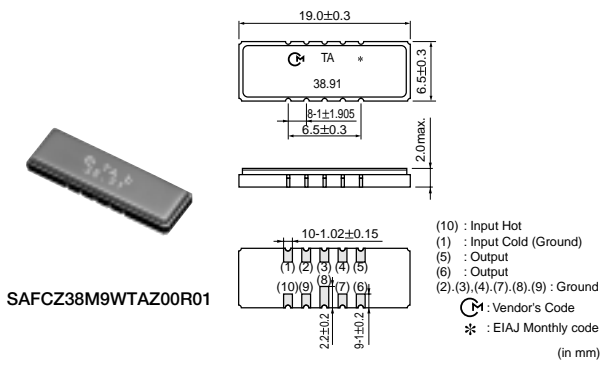


Frequency Characteristics

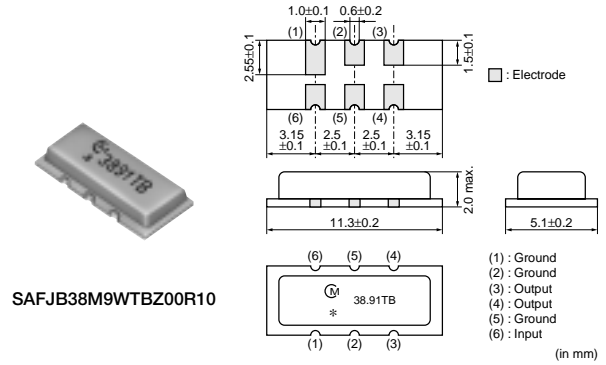


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response(1) (dB)	Spurious Response(2) (dB)
SAFJA45M7VA0Z00R03	22.5 max.	4.5 ±1.2	4.8 ±1.5	19.0 ±3.0	35 min.	40 min.	30 min. [0~39.75MHz]	30 min. [47.25~56.00MHz]
SAFJA58M7VPZ00R03	21.0 max.	4.0 ±1.2	1.8 ±1.0	19.5 ±3.0	40.0 min.	43.0 min.	30.0 min. [0 to 52.75MHz]	25.0 min. [60.25 to 70.00MHz]
SAFJA58M7VH0Z00R03	17.5 max.	4.2 ±1.2	4.2 ±1.5	21.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 52.75MHz]	30.0 min. [60.25 to 70.00MHz]
SAFJA41M2VD0Z00R03	18.0 max.	0.0 ±3.0	18.0 min.	-	35.0 min.	35.0 min.	30.0 min. [0 to 39.75MHz]	30.0 min. [47.25 to 55.00MHz]
SAFJA54M7VD0Z00R03	21.0 max.	0.0 ±3.0	18.0 min.	-	33.0 min.	33.0 min.	28.0 min. [0 to 52.75MHz]	28.0 min. [60.25 to 70.00MHz]
SAFJA38M9VVBZ00R03	24.0 max.	4.5 ±1.2	4.5 ±1.5	20.0 min.	35.0 min.	35.0 min.	30.0 min. [0 to 31.90MHz]	30.0 min. [40.40 to 47.00MHz]
SAFJA41M2VC0Z00R03	16.0 max.	40.0 min.	17.0 min.	-	40.0 min.	37.0 min.	28.0 min. [0 to 39.75MHz]	28.0 min. [43.75 to 56.00MHz]
SAFJA45M7VVBZ00R03	22.0 max.	4.5 ±1.2	4.7 ±1.5	25 min.	40 min.	40 min.	30 min. [0~39.75MHz]	30 min. [47.25~56.00MHz]
SAFJA54M2VC0Z00R03	16.0 max.	40 min.	17 min.	-	40 min.	37 min.	28 min. [0~52.75MHz]	30 min. [56.75~70.00MHz]
SAFJA58M7VVBZ00R03	20.5 max.	4.0 ±1.2	5.0 ±1.5	25 min.	40 min.	40 min.	30 min. [0~52.75MHz]	30 min. [60.25~72.00MHz]
SAFJA33M4VCBZ00R03	30.0 max.	30.0 min.	14.0 min.	-	30.0 min.	35.0 min.	25.0 min. [0 to 30.90MHz]	25.0 min. [40.40 to 46.00MHz]

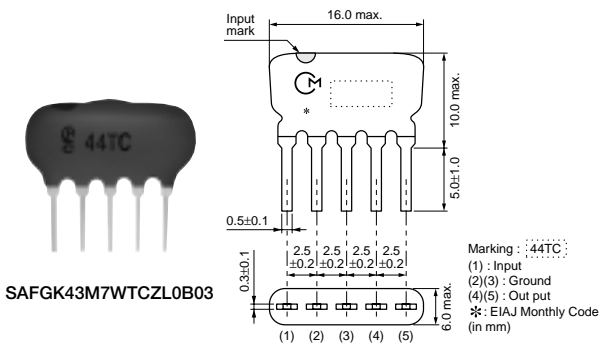
SAW Filters for Digital Broadcasting



SAFCZ38M9WTAZ00R01



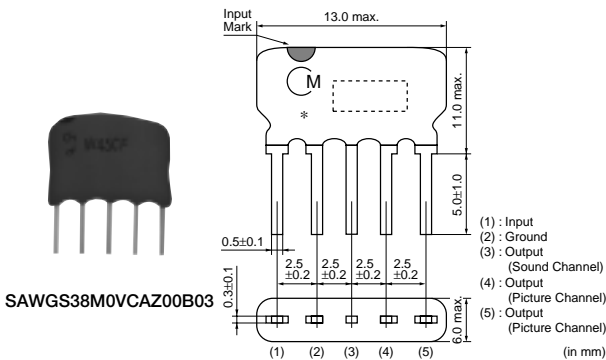
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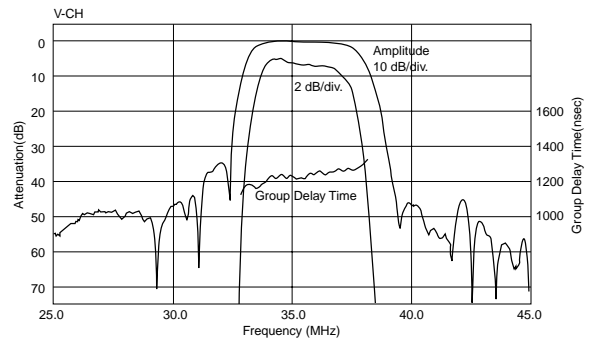
Part Number	Nominal Center Frequency (fn) (MHz)	System	Insertion Loss (dB)	3dB Bandwidth (MHz)	30dB Bandwidth (MHz)	Attenuation (1) (dB)	Attenuation (2) (dB)
SAFCZ38M9WTAZ00R01	38.912	DAB	25.5 max.	1.25 min.	-	11.0 max.[fn±768kHz]	18.0 min.[fn±944kHz]
SAFJB38M9WTBZ00R10	38.912	DAB	20.0 max.	1.4 min.	2.9 min.	-	-
SAFGP43M7WTAZL0B03	43.75	Digital CATV	21.0 max.	6.0 typ.	-	34.0 min.[39.75MHz]	9.0 min.[40.25MHz]
SAFGP43M7WTGZL0B03	43.75	Digital CATV	29.0 max.	6.1 typ.	-	32.0 min.[39.75MHz]	8.0 min.[40.25MHz]
SAFGP44M0WWTGZL0B03	44.00	Digital CATV	21.0 max.	6.1 typ.	-	32.0 min.[40.00MHz]	7.0 min.[40.50MHz]
SAFGP57M0WTOZL0B03	57.00	Digital CATV	18.0 max.	6.0 typ.	-	30.0 min.[52.75MHz]	3.0 max.[54.19MHz]
SAFGK43M7WTCZL0B03	43.75	Digital TV	21.5 max.	5.4 min.(5.6MHz typ.)	7.5 max.	40.0 min.[39.75MHz]	22.0 min.[40.25MHz]
SAFGK44M0WTCZL0B03	44.00	DTV	22.0 max.	5.6 typ.	-	0.7 ±1.3dB[41.31MHz]	1.5 ±1.5dB[46.69MHz]
SAFGM44M0WA0Z00B03	44.00	Interactive TV	20.5 max.	1.7 typ.	-	2.5 ±1.5dB[43.15MHz]	2.0 ±1.5dB[44.85MHz]

SAW Filters for TV/VCR Dual Type



SAWGS38M0VCAZ00B03

Frequency Characteristics(Picture-ch)



Part Number	Picture Frequency(fp) (MHz)	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)
SAWGS38M0VCAZ00B03	38.00 (Picture-ch)	23.0 max.(Picture-ch) /25.0dB max.(Sound-ch)	6.0±1.2 (P-ch) /28.0dB min.(S-ch)	1.7 max.(P-ch) /30.0dB min.(S-ch)	29.0 min. (P-ch)/-	43.0 min.(P-ch) /35.0dB min.(S-ch)	40.0 min.(P-ch) /27.0dB min.(S-ch)
SAWGS45M7VCFZ00B03	45.75 (Picture-ch)	21.0 max.(Picture-ch) /29.0dB max.(Sound-ch)	5.0±1.2 (Picture-ch) /17.0dB min.(Sound-ch)	2.6±1.2 (Picture-ch) /16.0dB min.(Sound-ch)	18.0 min. (Picture-ch)/-	40.0 min.(Picture-ch) /20.0dB min.(Sound-ch)	42.0 min.(Picture-ch) /20.0dB min.(Sound-ch)
SAWGS45M7VCGZ00B03	45.75 (Picture-ch)	23.0 max.(Picture-ch) /29.5dB max.(Sound-ch)	6.3±1.2 (Picture-ch) /18.0dB min.(Sound-ch)	1.5 max.(Picture-ch) /16.0dB min.(Sound-ch)	18.0 min. (Picture-ch)/-	44.0 min.(Picture-ch) /20.0dB min.(Sound-ch)	45.0 min.(Picture-ch) /22.0dB min.(Sound-ch)
SAWGS45M7VCHZ00B03	45.75 (Picture-ch)	23.0 max.(Picture-ch) /29.5dB max.(Sound-ch)	4.6±1.2 (Picture-ch) /16.0dB min.(Sound-ch)	1.7 max.(Picture-ch) /16.0dB min.(Sound-ch)	25.0 min. (Picture-ch)/-	44.0 min.(Picture-ch) /18.0dB min.(Sound-ch)	45.0 min.(Picture-ch) /21.0dB min.(Sound-ch)
SAWGS58M7VCGZ00B03	58.75 (Picture-ch)	21.0 max.(Picture-ch) /29.5dB max.(Sound-ch)	5.2±1.2 (Picture-ch) /18.0dB min.(Sound-ch)	1.5 max.(Picture-ch) /16.0dB min.(Sound-ch)	22.0 min. (Picture-ch)/-	40.0 min.(Picture-ch) /22.0dB min.(Sound-ch)	40.0 min.(Picture-ch) /22.0dB min.(Sound-ch)
SAWGS58M7VCHZ00B03	58.75 (Picture-ch)	21.0 max.(Picture-ch) /28.0dB max.(Sound-ch)	5.5±1.2 (Picture-ch) /20.0dB min.(Sound-ch)	1.5 max.(Picture-ch) /12.0dB min.(Sound-ch)	18.0 min. (Picture-ch)/-	42.0 min.(Picture-ch) /22.0dB min.(Sound-ch)	43.0 min.(Picture-ch) /22.0dB min.(Sound-ch)
SAWGS58M7VCJZ00B03	58.75 (Picture-ch)	21.0 max.(Picture-ch) /28.0dB max.(Sound-ch)	6.3±1.2 (Picture-ch) /22.0dB min.(Sound-ch)	1.5 max.(Picture-ch) /15.0dB min.(Sound-ch)	18.0 min. (Picture-ch)/-	44.0 min.(Picture-ch) /25.0dB min.(Sound-ch)	43.0 min.(Picture-ch) /25.0dB min.(Sound-ch)
SAWGS58M7VCPZ00B03	58.75 (Picture-ch)	21.0 max.(Picture-ch) /28.0dB max.(Sound-ch)	6.3±1.2 (Picture-ch) /22.0dB min.(Sound-ch)	1.5 max.(Picture-ch) /15.0dB min.(Sound-ch)	18.0 min. (Picture-ch)/-	44.0 min.(Picture-ch) /25.0dB min.(Sound-ch)	43.0 min.(Picture-ch) /25.0dB min.(Sound-ch)
SAWKE58M7VCMZ00R02	58.75 (Picture-ch)	19.0 max.(Picture-ch) /28.0dB max.(Sound-ch)	4.0±1.2 (Picture-ch) /20.0dB min.(Sound-ch)	3.5±1.5 (Picture-ch) /15.0dB min.(Sound-ch)	20.0 min. (Picture-ch)/-	40.0 min.(Picture-ch) /22.0dB min.(Sound-ch)	40.0 min.(Picture-ch) /22.0dB min.(Sound-ch)