

SANYO	No.1487B	LA7808
	B/W TV Synchronization, Deflection Circuit	

The LA7808 contains a sync separator.

Maximum Ratings at Ta=25°C

Maximum Supply Voltage	V1		14.0	V
	V7		14.0	V
Allowable Power Dissipation	Pdmax	Ta ≤ 60°C	300	mW
Operating Temperature	Topr		-20 to +85	°C
Storage Temperature	Tstg		-55 to +125	°C

Recommended Operating Condition at Ta=25°C

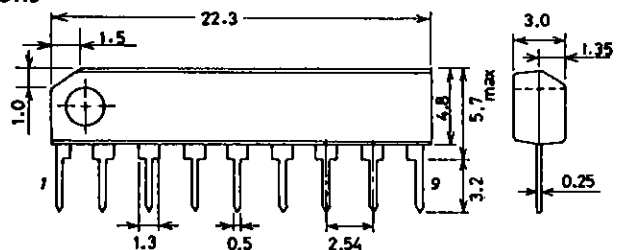
Recommended Supply Voltage	V1	12.0	V
	V7	12.0	V

Operating Characteristics at Ta=25°C, V1=V7=12V

		min	typ	max	unit
V _{CC1} Current Dissipation	I _{CC1}	6.0	11.0		mA
V _{CC2} Current Dissipation	I _{CC7}	3.8	7.1		mA
Sync Separation Input DC Level		9.0	9.6		V
Sync Signal Peak Value		11.0			V
Horizontal DC Loop Gain	+ sign at V ₂ =5V, - sign at V ₂ =1V	±240	±400		μA
Horizontal Free-Running Frequency	f _H f _H center=15.750kHz	-750	750		Hz
Horizontal Oscillation Start Voltage			4.0		V
Increased/Reduced Voltage Characteristic of Horizontal Frequency	V1=12±1V (15.750kHz at 12V)	-50		50	Hz/V
Temperature Characteristic of Horizontal Frequency	Ta=-10 to +60°C	-2.20		1.22	Hz/°C
Horizontal Frequency Warm-up Drift	5s to 30min. after switch ON	-90		50	Hz
Horizontal Output Pulse Width	Positive pulse period	21.5		26.5	μs
Horizontal Output Drive Current		4.2		7.8	mA

Package Dimensions

(unit : mm)
3017C

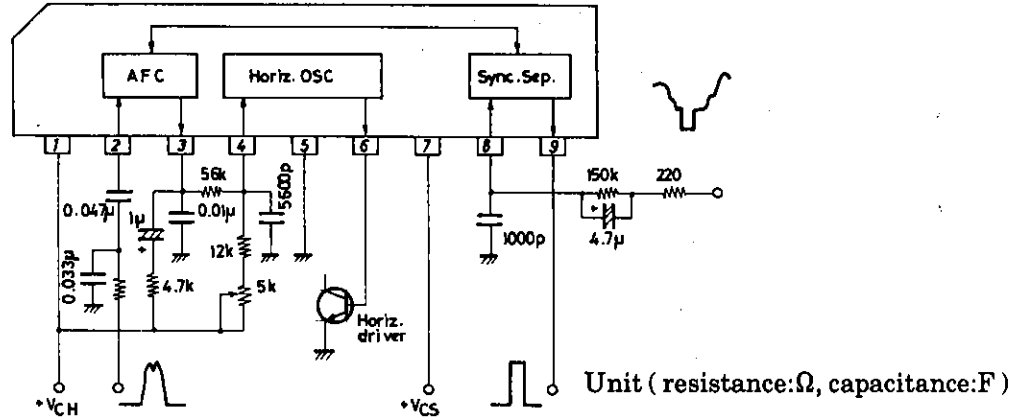


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LA7808

Sample Application Circuit : Sync, Deflection Circuit



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