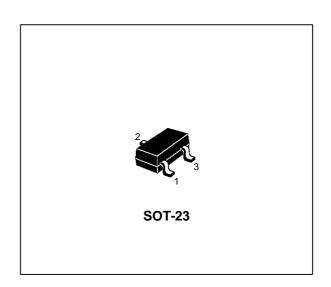
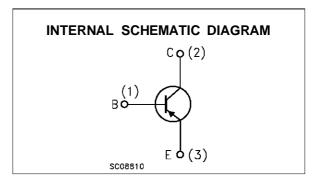


SMALL SIGNAL PNP TRANSISTOR

Туре	Marking	
BCX17	T1	

- SILICON EPITAXIAL PLANAR PNP TRANSISTORS
- MINIATURE PLASTIC PACKAGE FOR APPLICATION IN SURFACE MOUNTING CIRCUITS
- MEDIUM CURRENT AF AMPLIFICATION AND SWITCHING
- NPN COMPLEMENTS IS BCX19





ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V _{CES}	Collector-Emitter Voltage (V _{BE} = 0)	-50	V
V_{CEO}	Collector-Emitter Voltage (I _B = 0)	-45	V
V_{EBO}	Emitter-Base Voltage (I _C = 0)	-5	V
Ic	Collector Current	-0.5	Α
I _{CM}	Collector Peak Current	-1	Α
I_{B}	Base Current	-0.1	Α
I _{BM}	Base Peak Current	-0.2	Α
I _{EM}	Emitter Peak Current	1	Α
P _{tot}	Total Dissipation at T _c = 25 °C	350	mW
T _{stg}	Storage Temperature	-65 to 150	°C
Tj	Max. Operating Junction Temperature	150	°C

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THERMAL DATA

R _{thj-amb} •	Thermal Resis	stance .	Junction-Ambient	Max	350	°C/W
R _{thj-SR} •	Thermal Resis	stance .	Junction-Substrate	Max	290	°C/W

Mounted on a ceramic substrate area = 15 x 15 x 0.6 mm

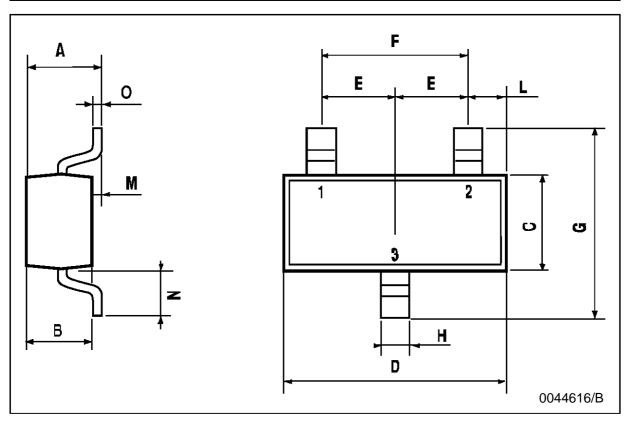
ELECTRICAL CHARACTERISTICS ($T_{case} = 25$ °C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min.	Тур.	Max.	Unit
Ісво	Collector Cut-off Current (I _E = 0)	$V_{CB} = -20 \text{ V}$ $V_{CB} = -20 \text{ V}$ $T_j = 150 \text{ °C}$			-100 -5	nA μA
V _{(BR)CES} *	Collector-Emitter Breakdown Voltage (V _{BE} = 0)	Ic = -10 μA	-50			V
V _{(BR)CEO} *	Collector-Emitter Breakdown Voltage (I _B = 0)	I _C = -10 mA	-45			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _C = 0)	I _E = -10 μA	-5			V
V _{CE(sat)*}	Collector-Emitter Saturation Voltage	I _C = -500 mA I _B = -50 mA			-0.62	V
V _{BE(on)} *	Base-Emitter On Voltage	Ic = -500 mA V _{CE} = -1 V			-1.2	V
h _{FE} *	DC Current Gain	I _C = -100 mA	100 70 40			
f⊤	Transition Frequency	$I_{C} = -10 \text{ mA } V_{CE} = -5 \text{ V } f = 100 \text{ MHz}$		100		MHz
ССВ	Collector Base Capacitance	I _E = 0 mA V _{CB} = -10 V f = 1MHz		8		pF

^{*} Pulsed: Pulse duration = 300 μs, duty cycle ≤ 2 %

SOT-23 MECHANICAL DATA

DIM.	mm			mils			
Siw.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	
Α	0.85		1.1	33.4		43.3	
В	0.65		0.95	25.6		37.4	
С	1.20		1.4	47.2		55.1	
D	2.80		3	110.2		118	
Е	0.95		1.05	37.4		41.3	
F	1.9		2.05	74.8		80.7	
G	2.1		2.5	82.6		98.4	
Н	0.38		0.48	14.9		18.8	
L	0.3		0.6	11.8		23.6	
M	0		0.1	0		3.9	
N	0.3		0.65	11.8		25.6	
0	0.09		0.17	3.5		6.7	



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