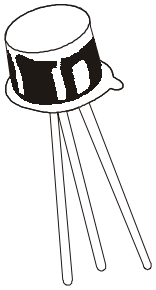
PNP SILICON PLANAR TRANSISTOR

BCX23
TO-18



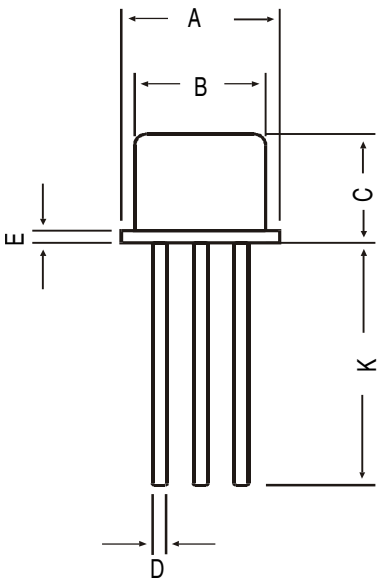
ABSOLUTE MAXIMUM RATINGS (Ta=25 deg C)

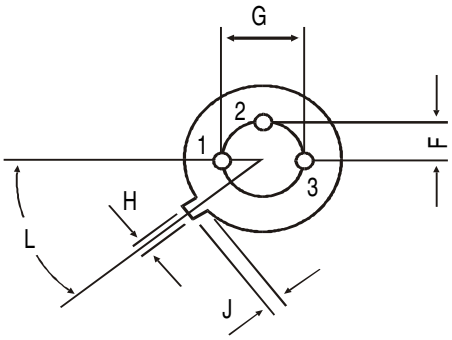
DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Emitter Voltage	VCES	125	V
Collector -Emitter Voltage	VCEO	125	V
Emitter Base Voltage	VEBO	5.0	V
Collector Current	IC	800	mA
Peak	ICM	1.0	A
Base Current	IB	100	mA
Power Dissipation @ Ta=25 deg C	Ptot	450	mW
@ Tc=45 deg C	Ptot	1.55	W
Operating And Storage Junction Temperature Range	Tj, Tstg	-65 to +200	deg C
Thermal Resistance			
Junction to Case	Rth (j-c)	100	K/W
Junction to Ambient	Rth (j-a)	390	K/W

ELECTRICAL CHARACTERISTICS (Ta=25 deg C Unless Otherwise Specified)

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector -Emitter Voltage	VCEO	IC=10mA, IB=0	125	-	-	V
	VCES	IC=100uA, VBE=0	125		-	V
Emitter Base Voltage	VEBO	IE=100uA, IC=0	5.0	-	-	V
Collector Emitter Saturation Voltage	VCE(Sat)	IC=300mA, IB=30mA	-	-	0.90	V
Base Emitter Saturation Voltage	VBE(Sat)	IC=300mA, IB=30mA	-	-	1.4	V
Collector Cut off Current	ICES	VCE=100V, VBE=0	-	-	100	nA
		Ta=150 deg C				
		VCE=100V, VBE=0	-	-	10	uA
Emitter Cut off Current	IEBO	VEB=4V, IC=0	-	-	100	nA
DC Current Gain	hFE	IC=100mA,VCE=1V	63	-	-	
DYNAMIC CHARACTERISTICS		IC=200mA,VCE=1V	40	-	-	
Transition Frequency	ft	IC=10mA, VCE=5V, f=20MHz	Typ	-	100	MHz
Out-Put Capacitance	Cob	VCB=10V, IE=0, f=1MHz	Typ	-	12	pF

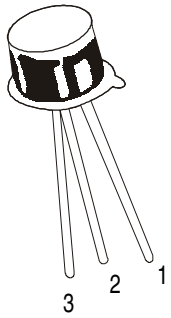
TO-18 Metal Can Package





All diminsions in mm.

DIM	MIN	MAX
A	5.24	5.84
B	4.52	4.97
C	4.31	5.33
D	0.40	0.53
E	—	0.76
F	—	1.27
G	—	2.97
H	0.91	1.17
J	0.71	1.21
K	12.70	—
L	45 DEG	



PIN CONFIGURATION
1. EMITTER
2. BASE
3. COLLECTOR

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
TO-18	1K/polybag	350 gm/1K pcs	3" x 7.5" x 7.5"	5.0K	17" x 15" x 13.5"	80.0K	34 kgs

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