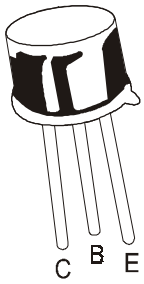
PNP EXPITAXIAL PLANAR SILICON TRANSISTORS

BC303, BC304



TO-39
Metal Can Package

PNP SILICON LOW-AND MEDIUM POWER TRANSISTORS.

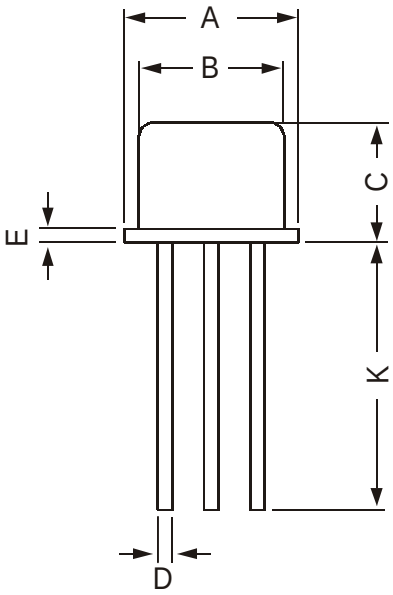
ABSOLUTE MAXIMUM RATINGS (Ta=25ºC unless specified otherwise)

DESCRIPTION	SYMBOL	BC303	BC304	UNITS
Collector Emitter Voltage	V_{CEO}	60	45	V
Collector Base Voltage	V_{CBO}	85	60	V
Emitter Base Voltage	V_{EBO}	7.0	7.0	V
Collector Current	I_C	500		mA
Power Dissipation @ Ta=25ºC	P_D	850		mW
Junction Temperature	T_j	175		ºC
StorageTemperature Range	T_{stg}	-65 to +200		ºC

ELECTRICAL CHARACTERISTICS (Ta=25º C unless specified otherwise)

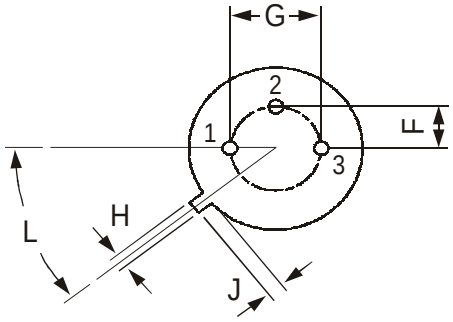
DESCRIPTION	SYMBOL	TEST CONDITION	BC303 MIN	BC303 MAX	BC304 MIN	BC304 MAX	UNITS
Collector Cut off Current	I_{CBO}	V_{CB}=85V, I_E=0		20			nA
		V_{CB}=60V, I_E=0				20	nA
DC Current Gain	h_{FE}	**BC303 / BC304**					
		I_C=150mA,V_{CE}=10V	40	240			
		BC303 / 304-5	70	140			
		I_C=150mA,V_{CE}=10V					
		BC303 / 304-6	120	240			
		I_C=150mA,V_{CE}=10V					
Collector Emitter Sat. Voltage	$V_{CE(Sat)}$	I_C=150mA,I_B=15mA	ALL	0.65			V
DYNAMICS CHARACTERISTICS							
Transition Frequency	f_T	I_C=50mA, V_{CE}=10V f=100MHz	ALL		0.65		MHz

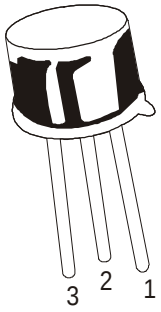
TO-39 Metal Can Package



All dimensions are in mm

DIM	MIN	MAX
A	8.50	9.39
B	7.74	8.50
C	6.09	6.60
D	0.40	0.53
E	—	0.88
F	2.41	2.66
G	4.82	5.33
H	0.71	0.86
J	0.73	1.02
K	12.70	—
L	42 DEG	48 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-39	500 pcs/polybag	540 gm/500 pcs	3" x 7.5" x 7.5"	20K	17" x 15" x 13.5"	32K	40 kgs

TO-39
Metal Can Package

Disclaimer

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