

New Jersey Semi-Conductor Products, Inc.

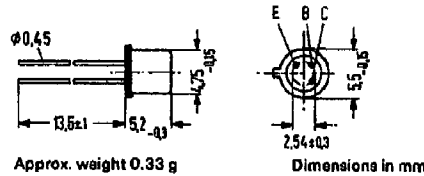
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BCX 23 BCX 39

BCX 23 and BCX 39 are epitaxial PNP silicon planar transistors in TO 18 metal case (18 A 3 DIN 41876). The collector is electrically connected to the case. These transistors are particularly suitable for use in AF input and driver stages as well as for universal applications at higher reverse voltages.

Type
BCX 23
BCX 39

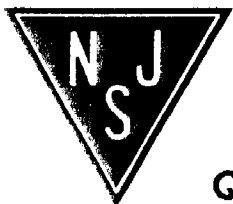


Maximum ratings ($T_{amb} = 25^{\circ}\text{C}$)

	BCX 23	BCX 39	
Collector-emitter voltage	- V_{CES} 125	100	V
Collector-emitter voltage	- V_{CEO} 125	100	V
Emitter-base voltage	- V_{EBO} 5	5	V
Collector current	- I_C 800	800	mA
Collector peak current	- I_{CM} 1	1	A
Base current	- I_B 100	100	mA
Junction temperature	T_j 200	200	$^{\circ}\text{C}$
Storage temperature range	T_{stg} -65 to +200	-65 to +200	$^{\circ}\text{C}$
Total power dissipation ($T_{amb} = 25^{\circ}\text{C}$)	P_{tot} 450	450	mW
Total power dissipation ($T_{case} = 45^{\circ}\text{C}$)	P_{tot} 1.55	1.55	W

Thermal resistance

Junction to ambient air	R_{thJA}	< 390	< 390	K/W
Junction to case	R_{thJC}	< 100	< 100	K/W



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Quality Semi-Conductors