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捷多邦, 专业PCB打样工厂, 24小时加

急出货

SOT23 PNP SILICON PLANAR MEDIUM POWER TRANSISTOR

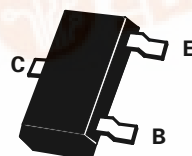
BC807

ISSUE 3 – MARCH 2001

PARTMARKING DETAILS

BC80716 – 5AZ
BC80725 – 5BZ
BC80740 – 5CZ

COMPLEMENTARY TYPE BC817



SOT23

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V_{CBO}	-50	V
Collector-Emitter Voltage	V_{CEO}	-45	V
Emitter-Base Voltage	V_{EBO}	-5	V
Peak Pulse Current	I_{CM}	-1	A
Continuous Collector Current	I_C	-500	mA
Base Current	I_B	-100	mA
Peak Base Current	I_{BM}	-200	mA
Power Dissipation at $T_{amb}=25^{\circ}C$	P_{tot}	330	mW
Operating and Storage Temperature Range	$T_j:T_{stg}$	-55 to +150	$^{\circ}C$

ELECTRICAL CHARACTERISTICS (at $T_{amb} = 25^{\circ}C$ unless otherwise stated).

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITIONS.
Collector Cut-Off Current	I_{CBO}			-0.1 -0.5	μA	$V_{CB}=-20V, I_E=0$ $V_{CB}=-20V, I_E=0, T_{amb}=150^{\circ}C$
Emitter Cut-Off Current	I_{EBO}			-10	μA	$V_{EB}=-5V, I_C=0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-700	mV	$I_C=-500mA, I_B=-50mA^*$
Base-Emitter Saturation Voltage	$V_{BE(on)}$			-1.2	V	$I_C=-500mA, V_{CE}=-1V^*$
Static Forward Current Transfer Ratio	h_{FE}					
	BC80716	100		250		$I_C=-100mA, V_{CE}=-1V^*$
	BC80725	160		400		$I_C=-100mA, V_{CE}=-1V^*$
	BC80740	250		600		$I_C=-100mA, V_{CE}=-1V^*$
All bands		40				$I_C=-500mA, V_{CE}=-1V^*$
Transition Frequency	f_T		100		MHz	$I_C=-10mA, V_{CE}=-5V$ $f=35MHz$
Output Capacitance	C_{obo}		8.0		pF	$V_{CB}=-10V f=1MHz$

*Measured under pulsed conditions.

Spice parameter data is available upon request for these devices

 **ZETEX**