

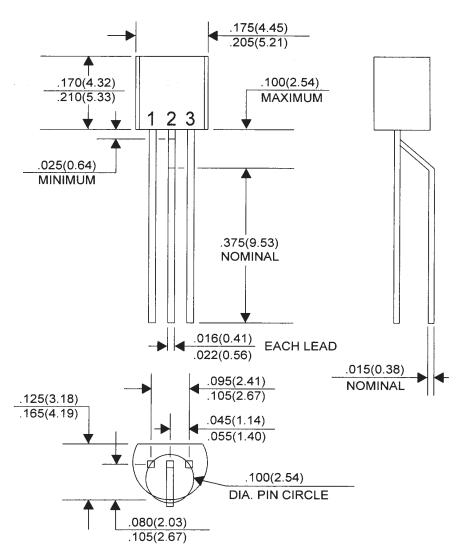
DESCRIPTION

The CENTRAL SEMICONDUCTOR BC327, BC327A, BC328 types are Silicon PNP Transistors designed for general purpose switching and amplifier applications.

MAXIMUM RATINGS (T _A =25°C)	<u>SYMBOL</u>	<u>BC327</u>	<u>BC327A</u>	<u>BC328</u>	<u>UNITS</u>
Collector-Base Voltage	V _{CBO}	50	60	30	V
Collector-Emitter Voltage	VCEO	45	60	25	V
Emitter-Base Voltage	VEBO		5.0		V
Collector Current	^I C		500		mA
Peak Collector Current	^I СМ		1.0		А
Base Current	IB		100		mA
Peak Base Current	I _{BM}		200		mA
Power Dissipation	PD		625		mW
Operating and Storage					
Junction Temperature	T _J ,T _{stg}		-65 to +150		°C
Thermal Resistance	ΘJΑ		200		°C/W

<u>ELECTRICAL CHARACTERISTICS</u> (T_A =25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>
ICBO ICBO VEE(SAT) VBE(ON) hFE hFE hFE hFE hFE hFE	$V_{CB}=20V$ $V_{CB}=20V, T_{A}=150^{\circ}C$ $V_{EB}=5.0V$ $I_{C}=500mA, I_{B}=50mA$ $V_{CE}=1.0V, I_{C}=500mA$ $V_{CE}=1.0V, I_{C}=100mA (BC327, BC328)$ $V_{CE}=1.0V, I_{C}=100mA (BC327A)$ $V_{CE}=1.0V, I_{C}=100mA (BC327-16, BC328-16)$ $V_{CE}=1.0V, I_{C}=100mA (BC327-25, BC328-25)$ $V_{CE}=1.0V, I_{C}=100mA (BC327-40, BC328-40)$	100 100 100 160 250		100 5.0 100 0.7 1.2 600 400 250 400 600	nA µA nA V V
hFE	$V_{CE}=1.0V$, $I_C=500$ mA (All Types)	40 80			MHz
fT C _C	V _{CE} =5.0V, I _C =10mA, f=100MHz V _{CB} =10V, I _E =0, f=1.0MHz	00	10		pF



JEDEC TO-92-18R - MECHANICAL OUTLINE

All Dimensions in Inches (mm).

LEAD CODE:

- 1) COLLECTOR
- 2) BASE
- 3) EMITTER



OUTSTANDING SUPPORT AND SUPERIOR SERVICES

PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free guick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- · Environmental regulation compliance
- Customer specific screening
- · Up-screening capabilities

· Custom product packing

Custom bar coding for shipments

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits
- · Custom product and package development

REQUESTING PRODUCT PLATING

- If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when 1. ordering (example: 2N2222A TIN/LEAD).
- 2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

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