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2N5447  
 2N5448

PNP SILICON TRANSISTOR

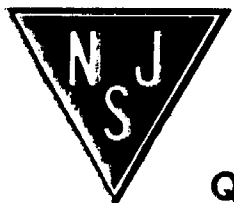
JEDEC TO-92-18R CASE

MAXIMUM RATINGS:

	SYMBOL	2N5447	2N5448	UNITS
Collector-Base Voltage	$V_{CB0}$	40	50	V
Collector-Emitter Voltage	$V_{CEO}$	25	30	V
Emitter-Base Voltage	$V_{EBO}$	5.0	5.0	V
Collector Current	$I_C$	200	200	mA
Power Dissipation	$P_D$	625	625	mW
Operating and Storage Junction Temperature	$T_J, T_{stg}$	-65 to +150		°C
Thermal Resistance	$\Theta_{JA}$	200		°C/W

ELECTRICAL CHARACTERISTICS:

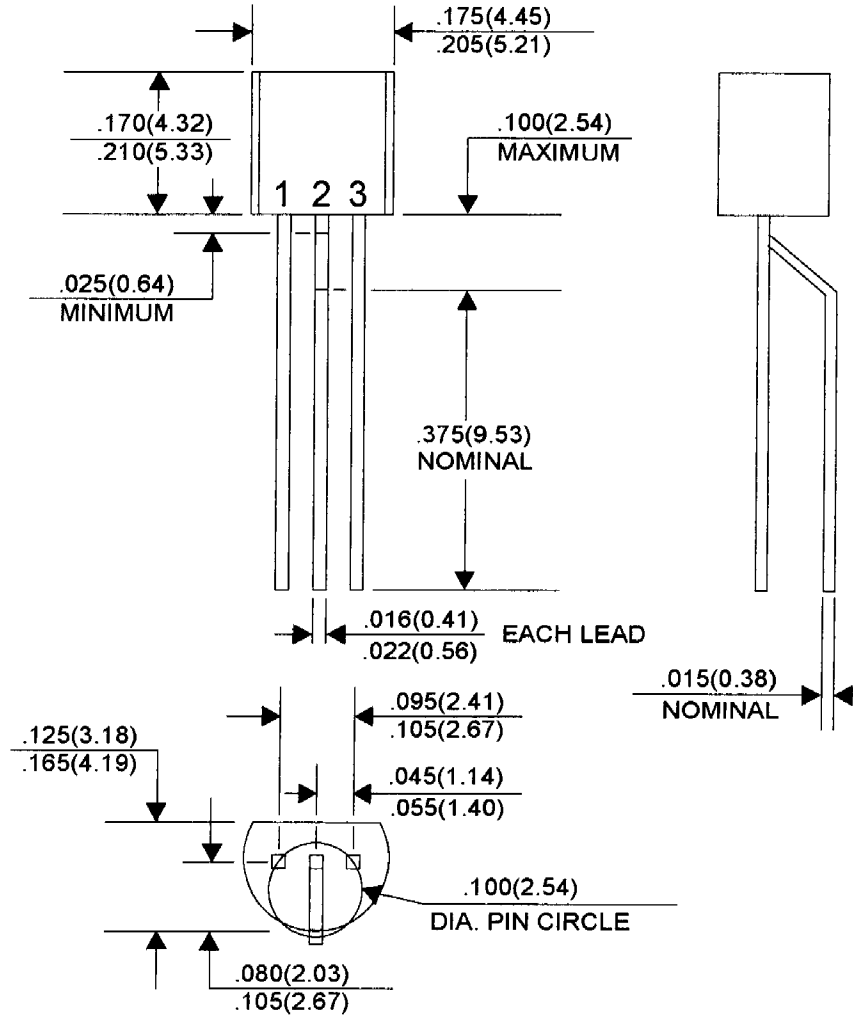
SYMBOL	TEST CONDITIONS	2N5447		2N5448		UNITS
		MIN	MAX	MIN	MAX	
$I_{CBO}$	$V_{CB}=20V$		100		100	nA
$I_{EBO}$	$V_{EB}=3.0V$		100		100	nA
$BV_{CBO}$	$I_C=100\mu A$	40		50		V
$BV_{CEO}$	$I_C=10mA$	25		30		V
$BV_{EBO}$	$I_C=100\mu A$	5.0		5.0		V
$V_{CE(SAT)}$	$I_C=50mA, I_B=5.0mA$		0.25		0.25	V
$V_{BE(ON)}$	$V_{CE}=5.0V, I_C=50mA$	0.6	1.0	0.6	1.0	V
$h_{FE}$	$V_{CE}=5.0V, I_C=50mA$	60	300	30	150	
$C_{cb}$	$V_{CB}=10V, I_E=0, f=1.0MHz$		12		12	pF
$f_T$	$V_{CE}=5.0V, I_C=50mA, f=20MHz$	100		100		MHz



NJ Semi-Conductors reserves the right to change test conditions, parameters limits and package dimensions without notice information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

**Quality Semi-Conductors**

# JEDEC TO-92-18R CASE - MECHANICAL OUTLINE



All Dimensions in Inches (mm).

LEAD CODE:

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