

2N1373
GERMANIUM
PNP TRANSISTOR



TO-5 CASE



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DESCRIPTION:

The CENTRAL SEMICONDUCTOR 2N1373 is a germanium PNP transistor designed for computer and switching applications.

MARKING: FULL PART NUMBER

MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$)

Collector-Base Voltage
Collector-Emitter Voltage
Emitter-Base Voltage
Continuous Collector Current
Power Dissipation
Operating Junction Temperature
Storage Temperature

SYMBOL

V_{CBO}	45
V_{CEO}	45
V_{EBO}	25
I_C	200
P_D	250
T_J	100
T_{stg}	-65 to +100

UNITS

V
V
V
mA
mW
$^\circ\text{C}$
$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$)

SYMBOL	TEST CONDITIONS
I_{CBO}	$V_{CB}=20\text{V}$
I_{EBO}	$V_{EB}=4.5\text{V}$
BV_{CBO}	$I_C=100\mu\text{A}$
BV_{CER}	$I_C=100\mu\text{A}$, $R_{BE}=2.2\text{k}\Omega$
BV_{EBO}	$I_E=100\mu\text{A}$
$V_{CE(SAT)}$	$I_C=100\text{mA}$, $I_B=5.0\text{mA}$
$V_{BE(ON)}$	$V_{CE}=1.0\text{V}$, $I_C=100\text{mA}$
h_{FE}	$V_{CE}=1.0\text{V}$, $I_C=50\text{mA}$

MIN

45
45
25
200
27

MAX

7.0
15
1.0
700
105

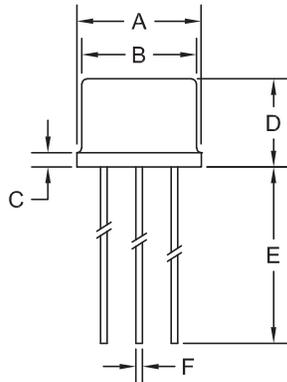
UNITS

μA
μA
V
V
V
V
mV

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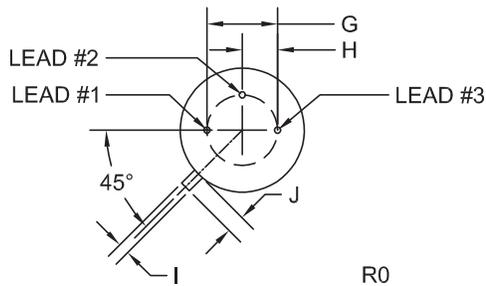


TO-5 CASE - MECHANICAL OUTLINE



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A (DIA)	0.335	0.370	8.51	9.40
B (DIA)	0.315	0.335	8.00	8.51
C	-	0.040	-	1.02
D	0.240	0.260	6.10	6.60
E	1.500	1.752	38.1	44.5
F (DIA)	0.016	0.021	0.41	0.53
G (DIA)	0.200		5.08	
H	0.100		2.54	
I	0.028	0.034	0.71	0.86
J	0.029	0.045	0.74	1.14

TO-5 (REV: R0)



LEAD CODE:

- 1) Emitter
- 2) Base
- 3) Collector

MARKING: FULL PART NUMBER

R0

R0 (14-March 2013)

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
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

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

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

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