Small Signal Switching Transistor

PNP Silicon

Features

- MIL-PRF-19500/290 Qualified
- Available as JAN, JANTX, and JANTXV

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Collector – Emitter Voltage	V _{CEO}	-60	Vdc
Collector – Base Voltage	V _{CBO}	-60	Vdc
Emitter-Base Voltage	V _{EBO}	-5.0	Vdc
Collector Current – Continuous	Ι _C	-600	mAdc
Total Device Dissipation @ $T_A = 25^{\circ}C$	P _T	800	mW
Total Device Dissipation @ $T_C = 25^{\circ}C$	P _T	3.0	W
Operating and Storage Junction Temperature Range	T _J , T _{stg}	-65 to +200	°C

THERMAL CHARACTERISTICS

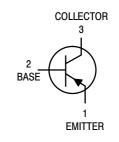
Characteristic	Symbol	Max	Unit
Thermal Resistance, Junction-to-Ambient	$R_{\theta JA}$	195	°C/W
Thermal Resistance, Junction-to-Case	$R_{\theta JC}$	50	°C/W

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.



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TO-39 CASE 205AB STYLE 1

ORDERING INFORMATION

Device	Package	Shipping
JAN2N2905A		
JANTX2N2905A	TO-39	Bulk
JANTXV2N2905A		

2N2905A

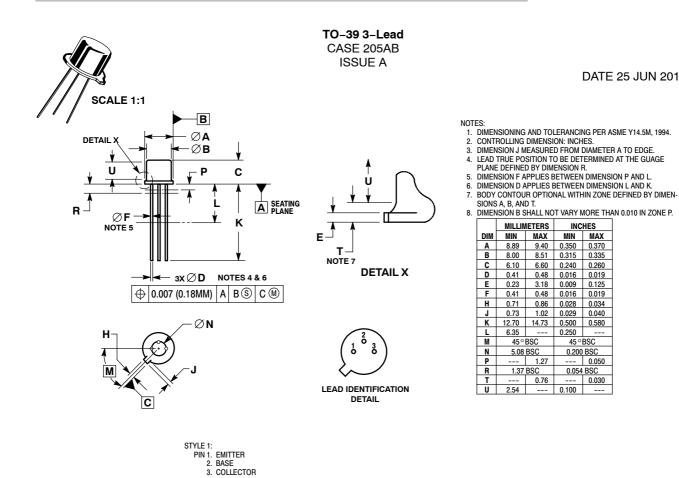
ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Vdc 0 µAdc 0 nAdc µAdc 0 µAdc 0 µAdc 0 µAdc 0 µAdc 0 -
0 μAdc 0 nAdc 0 μAdc 0 μAdc
0 nAdc 0 μAdc 0 μAdc
obAıı, C bAıı, C
P
-
-
D
Vdc 4 6
Vdc 3 6
1
-
_
) pF
pF
ns
) ns
.0

1. Pulse Test: Pulse Width = 300 μ s, Duty Cycle \leq 2.0%.

DATE 25 JUN 2012





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DESCRIPTION:	TO-39 3-LEAD		PAGE 1 OF 2

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0	RELEASED FOR PRODUCTION. REQ. BY B. JENSEN.	18 MAR 2010
А	MADE ISOMETRIC IMAGE LARGER TO REFLECT ACTUAL SIZE. REQ. BY J. FULTON.	25 JUN 2012

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