MJE3439

SILICON NPN POWER TRANSISTOR



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UNITS

°C

°C/W

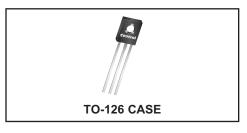
DESCRIPTION:

The CENTRAL SEMICONDUCTOR MJE3439 is a silicon NPN power transistor designed for amplifier applications requiring high f_T.

-65 to +150

8.33





MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

SYMBOL

Collector-Emitter Voltage

V_{CBO}

450 Collector-Emitter Voltage 350 VCEO Emitter-Base Voltage 5.0 VEBO Continuous Collector Current 0.3 ΙC Continuous Base Current 150 mΑ I_B W Power Dissipation (T_C=25°C) P_{D} 15

Operating and Storage Junction Temperature T_J , T_{stg} Thermal Resistance Θ_{JC}

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

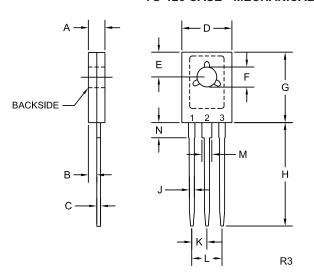
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
^I CBO	V _{CB} =350V		20	μΑ
ICEX	V_{CE} =450V, $V_{BE(OFF)}$ =1.5V		500	μΑ
ICEO	V _{CE} =300V		20	μΑ
I _{EBO}	V _{EB} =5.0V		20	μΑ
BVCEO	I _C =5.0mA	350		V
V _{CE} (SAT)	I _C =50mA, I _B =4.0mA		0.5	V
V _{BE(SAT)}	I _C =50mA, I _B =4.0mA		1.3	V
V _{BE(ON)}	V_{CE} =10V, I_{C} =50mA		0.8	V
hFE	V_{CE} =10V, I_{C} =2.0mA	30		
hFE	V_{CE} =10V, I_{C} =20mA	15	200	
f _T	V_{CE} =10V, I_{C} =50mA, f=5.0MHz	15		MHz
C _{ob}	V_{CB} =10V, I_E =0, f=1.0MHz		10	pF

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TO-126 CASE - MECHANICAL OUTLINE



DIMENSIONS						
	INCHES		MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
Α	0.094	0.110	2.40	2.80		
В	0.050		1.27			
С	0.015	0.030	0.38	0.75		
D	0.291	0.335	7.40	8.50		
Е	0.148		3.75			
F	0.118	0.134	3.00	3.40		
G	0.413	0.472	10.50	12.00		
Н	0.618		15.70			
J	0.024	0.035	0.62	0.90		
K	0.089		2.25			
Ĺ	0.177		4.50			
М	0.045	0.055	1.14	1.40		
N	0.083		2.10			
TO-126 (REV:R3)						

TO-126 (REV:R3)

LEAD CODE:

- 1) Emitter
- 2) Collector 3) Base

MARKING:

FULL PART NUMBER

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 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

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

REQUESTING PRODUCT PLATING

- 1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when 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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