2N3439 2N3440

SILICON **NPN TRANSISTOR**

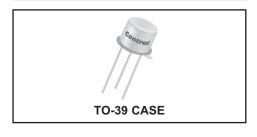


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DESCRIPTION:

The CENTRAL SEMICONDUCTOR 2N3439 and 2N3440 are silicon NPN transistors designed for consumer and industrial line-operated applications.

MARKING: FULL PART NUMBER



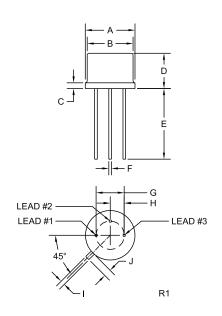
	ATINGS: (T _A =25°C)	SYMBOL	2N3439	2N3440	UNITS
Collector-Bas	•	V _{CBO}	450	300	V
Collector-Emi	tter Voltage	V _{CEO}	350	250	V
Emitter-Base Voltage		V_{EBO}	7.	0	V
Continuous Collector Current		IC	1.	0	Α
Continuous B	ase Current	I_{B}	0.	5	Α
Power Dissipation		P_{D}	1.	0	W
Operating and Storage Junction Temperature		T_J , T_{stg}	-65 to +200		°C
ELECTRICAL	CHARACTERISTICS: (T _A =25°C ur	less otherwise			
SYMBOL	TEST CONDITIONS	MIN	MA		UNITS
ICBO	V _{CB} =360V (2N3439)		2		μA
ICBO	V _{CB} =250V (2N3440)		2	0	μΑ
ICEO	V _{CE} =300V (2N3439)		2	0	μΑ
ICEO	V _{CE} =200V (2N3440)		5	0	μΑ
I _{EBO}	V _{EB} =6.0V		2	0	μΑ
BVCEO	I _C =50mA (2N3439)	350			V
BVCEO	I _C =50mA (2N3440)	250			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
h _{FE}	V _{CE} =10V, I _C =2.0mA (2N3439)	30			
hFE	V_{CE} =10V, I_{C} =20mA	40	16	60	
f _T	V_{CE} =10V, I_{C} =10mA, f=5.0MHz	15			MHz
C_{ob}	V_{CB} =10V, I_E =0, f =1.0MHz		1	0	pF
c_{ib}	V_{EB} =5.0V, I_C =0, f=1.0MHz		7	5	pF

2N3439 2N3440

SILICON NPN TRANSISTOR



TO-39 CASE - MECHANICAL OUTLINE



DIMENSIONS							
	INCHES		MILLIMETERS				
SYMBOL	MIN	MAX	MIN	MAX			
A (DIA)	0.335	0.370	8.51	9.40			
B (DIA)	0.315	0.335	8.00	8.51			
С	-	0.040	-	1.02			
D	0.240	0.260	6.10	6.60			
Е	0.500	-	12.70	-			
F (DIA)	0.016	0.021	0.41	0.53			
G (DIA)	0.200		5.08				
Н	0.100		2.54				
	0.028	0.034	0.71	0.86			
J	0.029	0.045	0.74	1.14			

TO-39 (REV: R1)

LEAD CODE:

- 1) Emitter 2) Base
- 3) Collector

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 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

CONTACT US

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