2N3439 2N3440

SILICON NPN TRANSISTOR

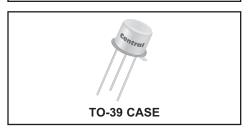


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DESCRIPTION:

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





MAXIMUM RATINGS: (T _A =25°C) Collector-Base Voltage	SYMBOL V _{CBO}	2N3439 450	2N3440 300	UNITS V
Collector-Emitter Voltage	V_{CEO}	350	250	V
Emitter-Base Voltage	V_{EBO}	7.0		V
Continuous Collector Current	I_{C}	1.	0	Α
Continuous Base 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

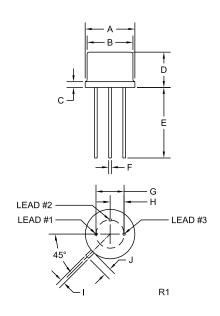
Operating an	nd Storage Junction Temperature	T _J , T _{stg}	-65 to +200	°C
ELECTRICA SYMBOL ICBO	L CHARACTERISTICS: (T _A =25°C u TEST CONDITIONS V _{CB} =360V (2N3439)	inless otherwise no MIN	oted) MAX 20	UNITS μΑ
ICBO	V _{CB} =250V (2N3440)		20	μΑ
ICEO	V _{CE} =300V (2N3439)		20	μΑ
ICEO	V _{CE} =200V (2N3440)		50	μΑ
I _{EBO}	V _{EB} =6.0V		20	μΑ
BV CEO	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
hFE	V _{CE} =10V, I _C =2.0mA (2N3439)	30		
hFE	V_{CE} =10V, I_{C} =20mA	40	160	
f_{T}	V_{CE} =10V, I_{C} =10mA, f=5.0MHz	15		MHz
C _{ob}	V_{CB} =10V, I_E =0, f=1.0MHz		10	pF
C _{ib}	V _{EB} =5.0V, I _C =0, f=1.0MHz		75	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

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA Main Tel: (631) 435-1110

Main Fax: (631) 435-1824 Support Team Fax: (631) 435-3388

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