

New Surface Mount Stabistors

**Very Low
Voltage
Zener**

SUPERminiTM



SOT-26



features

- Functions as a very low voltage Zener Diode (As low as 1.21 Volts nominal)
- Guaranteed Zener Voltage over a wide current range
- Stable Zener Voltage over a wide Temperature Range

description

The new Central Semiconductor CMXSTB200, CMXSTB300 and CMXSTB400 types are very low voltage multi-chip silicon diodes with extremely stable forward voltage characteristics. These devices are ideal for voltage regulation, sensing, and comparing applications requiring a guaranteed voltage over a wide current range and highly stable over temperature.


In addition, these devices packaged in the surface mount SOT-26 case are cost effective alternatives to the 1N4156, 1N4157, and 1N5179 leaded types. Special selection of the DC parameters including V_F at various test conditions is available on special order.

Sample Devices
available
upon request.

selection guide



New Surface Mount Stabistors

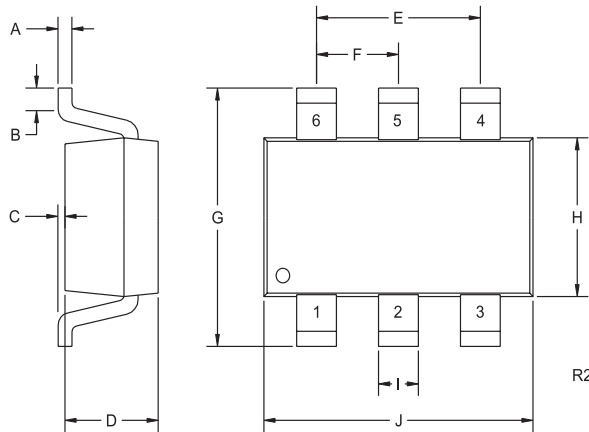
TYPE NO.	V_F		$@ I_F$ (mA)	I_R (μA) MAX	$@ V_R$ (V)	P_D (mW)	MARKING CODE	CASE TYPE
	(V) MIN	(V) MAX						
CMXSTB200	1.11	1.31	1.0	10	20	350	CST2	
	1.38	1.58	10					
	1.64	1.94	100					
CMXSTB300	1.71	1.91	1.0	10	20	350	CST3	
	2.08	2.28	10					
	2.61	2.91	100					
CMXSTB400	2.20	2.80	1.0	10	20	350	CST4	
	2.60	3.20	10					
	3.40	4.10	100					

For information on Central's single chip Stabistor, see CBAS17

New Surface Mount Stabistor

Mechanical Specifications

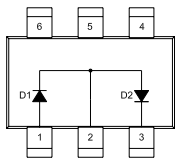
SOT-26



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
A	0.004	0.007	0.11	0.19
B	0.016	-	0.40	-
C	-	0.004	-	0.10
D	0.039	0.047	1.00	1.20
E	0.074	0.075	1.88	1.92
F	0.037	0.038	0.93	0.97
G	0.102	0.118	2.60	3.00
H	0.059	0.067	1.50	1.70
I	0.016		0.41	
J	0.110	0.118	2.80	3.00

SOT-26 (REV: R2)

CMXSTB200

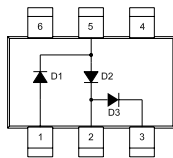


LEAD CODE:

- 1) Anode D1
- 2) Cathode D1, Anode D2
- 3) Cathode D2
- 4) NC (No Connection)
- 5) NC (No Connection)
- 6) NC (No Connection)

MARKING CODES: CST2

CMXSTB300

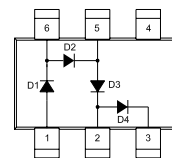


LEAD CODE:

- 1) Anode D1
- 2) Cathode D2, Anode D3
- 3) Cathode D3
- 4) NC (No Connection)
- 5) Anode D2, Cathode D1
- 6) NC (No Connection)

MARKING CODES: CST3

CMXSTB400



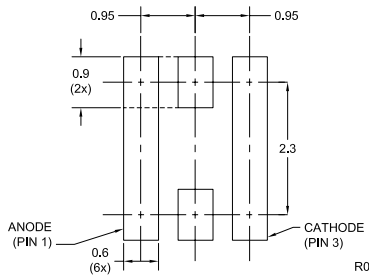
LEAD CODE:

- 1) Anode D1
- 2) Cathode D3, Anode D4
- 3) Cathode D4
- 4) NC (No Connection)
- 5) Anode D3, Cathode D2
- 6) Cathode D1, Anode D2

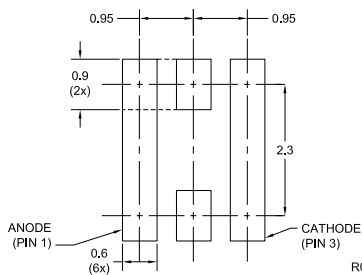
MARKING CODES: CST4

Suggested Mounting Pad Geometry (Dimensions in mm)

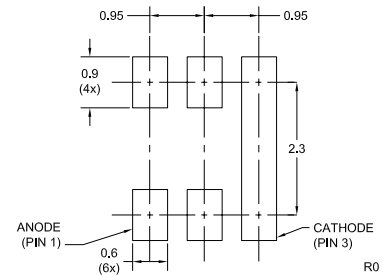
CMXSTB200



CMXSTB300



CMXSTB400



CentralTM
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PA CMXSTB Series