350mW Surface Mount Zener Diode





Features:

- · Planar Die Construction
- · 350mW Power Dissipation
- Zener Voltages from 2.4V to 51V
- Ideally Suited For Automated Assembly Processes

SOT-23 CONNECTION DIAGRAM 1 2 NC

Tolerance: C = 5%

Applications:

350mW Surface mount zener diode

Max. Rating @ TA = 25°C unless otherwise specified

Param	Symbol	Limits	Unit	
Forward voltage	@ IF = 10mA	VF	0.9	V
Power dissipation		Po	350	mW
Thermal resistance junction to ambient air		R _{θJA}	357	°C/W
Operating and storage temperature range		Т _{ј,} Тѕтс	-65 to +150	°C

Note: Valid provided that device terminals are kept at ambient temperature.

f = 1kHz.

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Marking	Zener Voltage Range			Max. Zener Impedance		Max. Reverse Current		Typical Temperature			
Code		Vz @ Izτ		lzт	Z zт@ I zт	Zzk@l	ZK	lR	V R	Coeffic Iztc n	cient@ nV/°C
	Nom(V)	Min(V)	Max(V)	mA	9	Ω	mA	μΑ	V	Min.	Max.
Z16	3.9	3.7	4.1	5	90	600	1	3	1	-3.5	0

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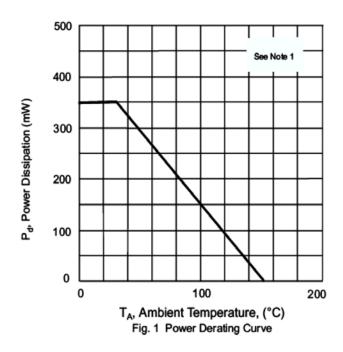


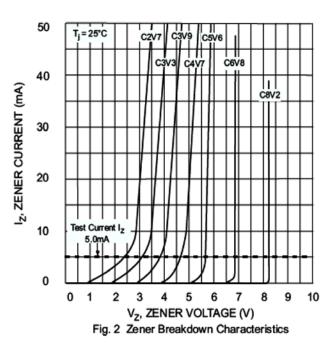
Tested with pulses, 300µs pulse width, period = 5ms.

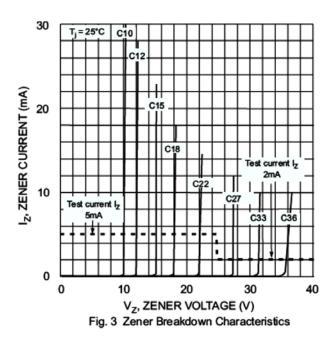
350mW Surface Mount Zener Diode

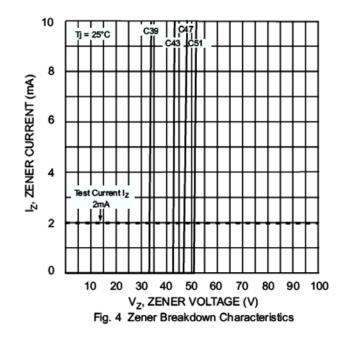


Typical Characteristics @ TA = 25°C unless otherwise specified





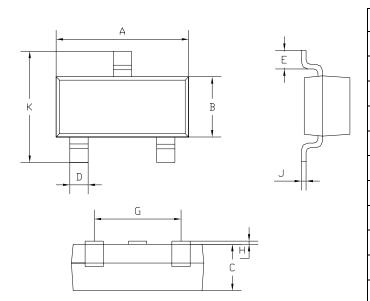




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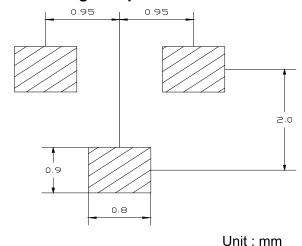


Plastic surface mounted package



SOT-23				
Dim	Min	Max		
Α	2.85	2.95		
В	1.25	1.35		
С	1 Typical			
D	0.37	0.43		
E	0.35	0.48		
G	1.85	1.95		
Н	0.02	0.1		
J	0.1Typical			
K	2.35	2.45		
All Dimensions in mm				

Soldering Footprint



Package Information

Device	Package	Shipping		
BZX84C3V9-7-F	SOT-23	3,000 / Tape & Reel		

mm

Part Number Table

Description	Part Number	
350mW Surface Mount Zener Diode	BZX84C3V9-7-F	

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