

Features

Planar die construction.

200mW power dissipation on ceramic PBC.

General purpose, medium current.

Ideally suited for automated assembly processes.

Available in lead free version.



Package Marking and Ordering Information

Product ID	Pack	Brand	Qty(PCS)	
BZT52C3V3S-7-F	SOD-323 (SOD-323S)	HXY MOSFET	3000	

Absolute Maximum Ratings(Ta=25°C)

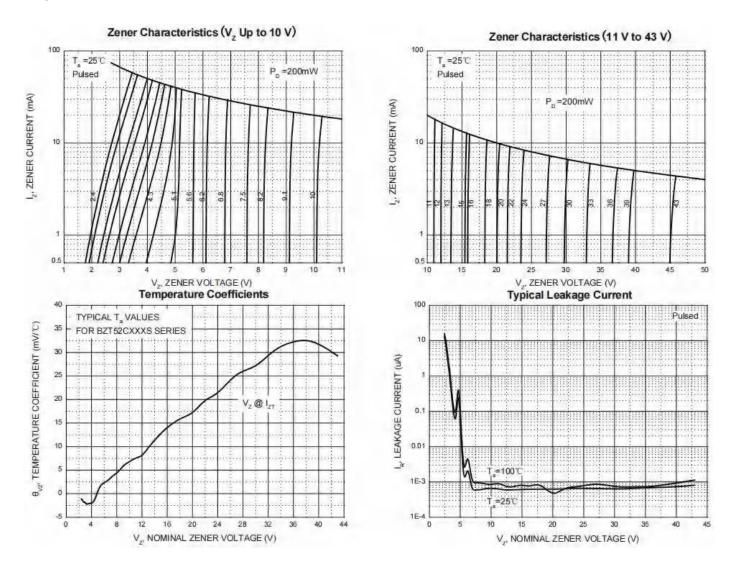
Symbol	Parameter	Value	Unit
V _F	Forward Voltage (Note 2) @ I _F =10mA	0.9	V
Pd	Power Dissipationn (Note 1)	200	mW
R _{⊝JA}	Thermal Resistance From Junction To Ambient	625	°C/W
TJ	Operation Junction Temperature Range	-40~+125	°C
T _{STG}	Storage Temperature Range	-55~+150	°C

Electrical Characteristics (Ta =25°Cunless otherwise specified)

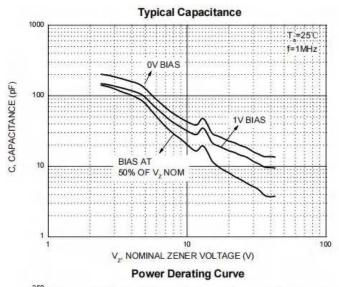
ТҮРЕ	Mark ing	Zener Voltage Range (Note 2)			Maximum Zener Impedance (Note 3)		Maximum Reverse Current (Note 2)		Typical Temperature Coefficient		Test Current I _{ZTC}		
		V	<u>z</u> @I _{ZT} ((V)	I _{ZT}	Vz@IzT	Vz @I zĸ	I _{ZK}	I_R	V_{R}	@I _{zτc} mV/°C		
		Nom	Min	Max	(mA)		Ω	(mA)	μ Α	٧	Min	Max	mA
BZT52C3V3S-7-F	W3	3.3	3.1	3.5	5	95	600	1.0	5	1.0	-3.5	0	5

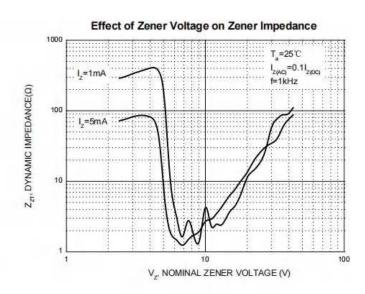


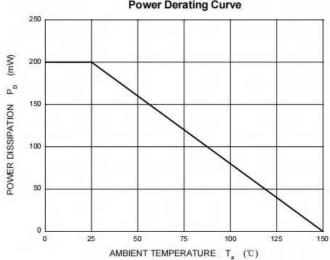
Typical Characteristics







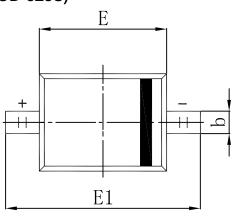


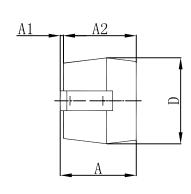


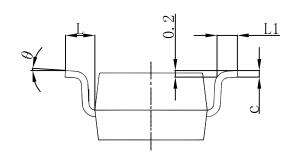


Package Outline Dimensions

SOD-323(SOD-323S)







Symbol	Dimensions	In Millimeters	Dimensions In Inches			
	Min	Max	Min	Max		
Α		1.100		0.043		
A1	0.000	0.100	0.000	0.004		
A2	0.800	1.000	0.031	0.039		
b	0.250	0.350	0.010	0.014		
С	0.080	0.150	0.003	0.006		
D	1.200	1.400	0.047	0.055		
E	1.600	1.800	0.063	0.071		
E1	2.500	2.750	0.098	0.108		
L	0.475	REF	0.019 REF			
L1	0.250	0.400	0.010	0.016		
θ	0°	8°	0°	8°		



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