

SOD-323

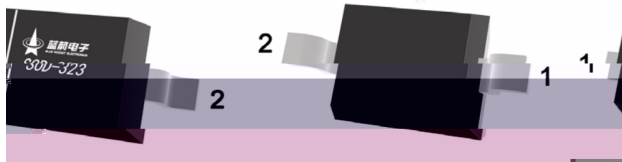
Zener Diode in a SOD-323 Plastic Package.

200mW

200mW Power dissipation, medium current, automated assembly processes, HF Product.

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2.4V to 39V wide zener voltage range applications.



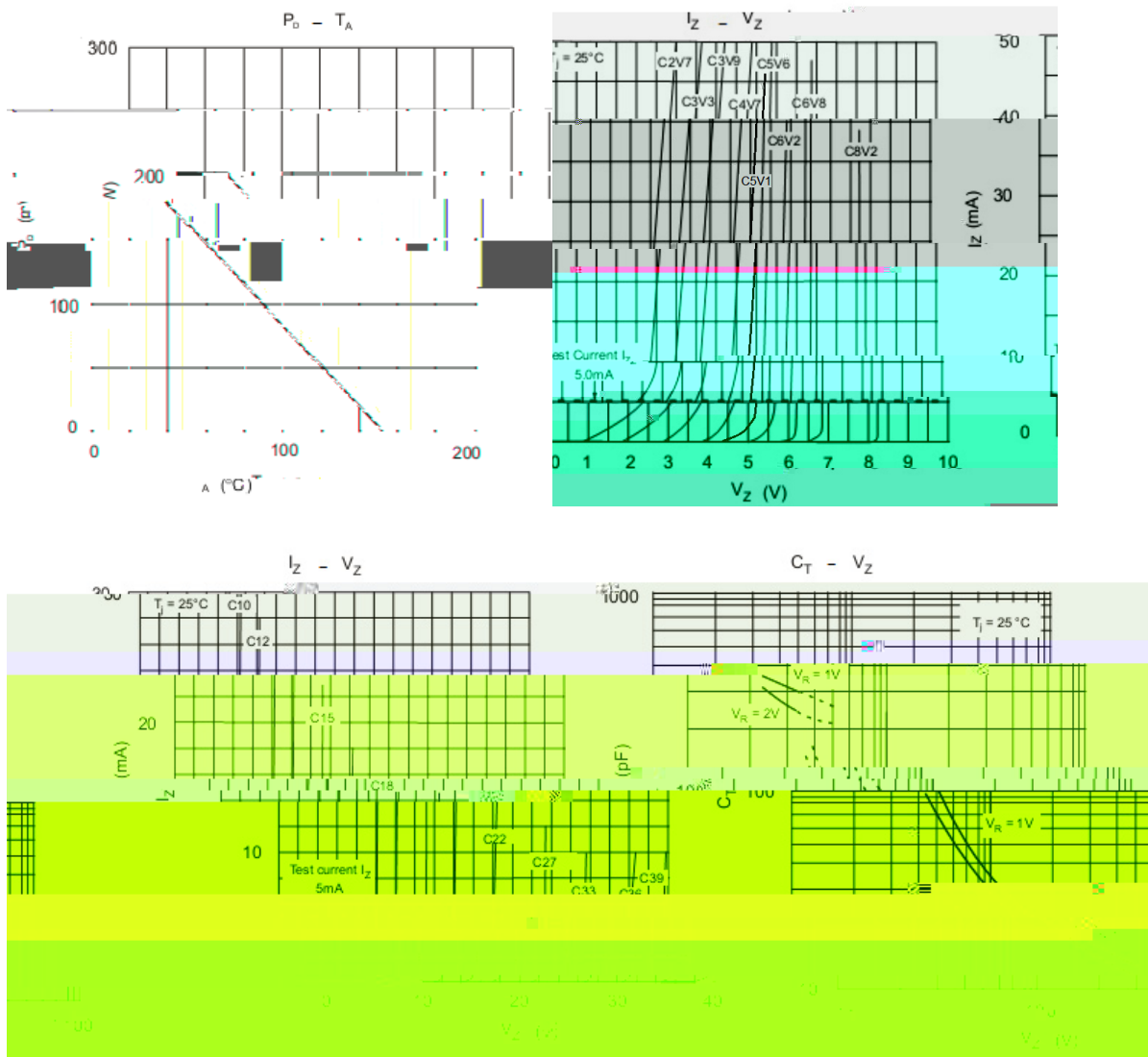
PIN1:Cathode

PIN2:Anode

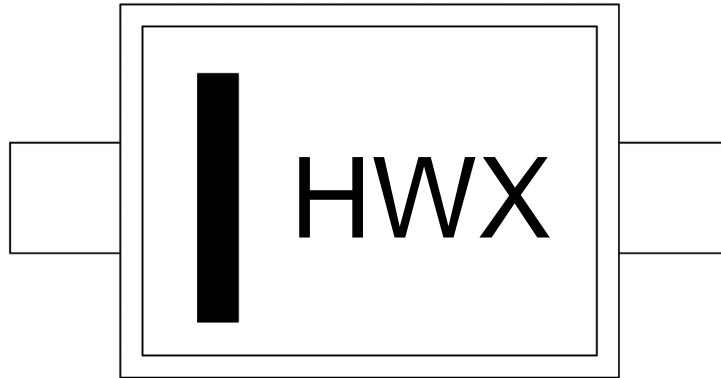
See Electrical Characteristics.

Parameter	Symbol	Rating	Unit
Forward Voltage (Note 2) ( $I_F=10mA$ )	$V_F$	0.9	V
Power Dissipation(Note 1)	$P_D$	200	mW
Typical Thermal Resistance Junction to Ambient(Note 1)	$R_{JA}$	625	/W
Junction and Storage Temperature Range	$T_j, T_{stg}$	-65 150	

Type Number	Marking Code	Zener Voltage Range (Note 2)				Maximum Zener Impedance (Note 3)			Maximum Reverse Current (Note 2)		Typical Temperature Coefficient @I <sub>ZTC</sub> mV/°C		Test Current I <sub>ZTC</sub> mA
		V <sub>Z</sub> @I <sub>ZT</sub>			I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	@V <sub>R</sub>	Min	Max	
		Nom (V)	Min (V)	Max (V)	mA	mA			uA	V			
BZT52C11S	HWG	11	10.4	11.6	5	20	150	1	0.1	8	5.4	9	5
BZT52C12S	HWH	12	11.4	12.7	5	25	150	1	0.1	8	6	10	5
BZT52C13S	HWI	13	12.4	14.1	5	30	170	1	0.1	8	7	11	5
BZT52C15S	HWJ	15	13.8	15.6	5	30	200	1	0.1	10.5	9.2	13	5







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Note:

H: Company Code

WX: Product Type Code

Temperature Profile for IR Reflow Soldering(Pb-Free)

