

Features

- Dual Zeners in Common Anode Configuration
- Ideally Suited for Automated Assembly Processes
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- · AEC-Q101 Qualified

200 mW Zener Diode 2.4 to 39 Volts

Maximum Ratings

Operating Junction Temperature Range: -55°C to +150°C

Storage Temperature Range: -55°C to +150°C

• Thermal Resistance(Note2): 625°C/W Junction to Ambient

Parameter	Symbol	Rating	Conditions		
Power Dissipation	P _D	200mW			
Maximum Forward Voltage	V _F	0.9V	I _F =10mA		

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

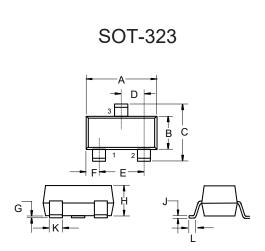
Note: 2. Part mounted on FR-4 board with recommended pad layout.

Internal Structure and Marking Code



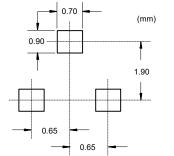


XX:Marking Code



DIMENSIONS						
DIM INC		HES	M	М	NOTE	
DIIVI	MIN	MIN MAX MIN		MAX	NOTE	
Α	0.071	0.087	1.80	2.20		
В	0.045	0.053	1.15	1.35		
С	0.083	0.096	2.10	2.45		
D	0.026		0.	65	TYP.	
E	0.047	0.055	1.20	1.40		
F	0.012	0.016	0.30	0.40		
G	0.000	0.004	0.00	0.10		
Н	0.035	0.044	0.90	1.10		
J	0.002	0.010	0.05	0.25		
K	0.006	0.016	0.15	0.40		
L	0.010	0.018	0.26	0.46		

Suggested Solder Pad Layout





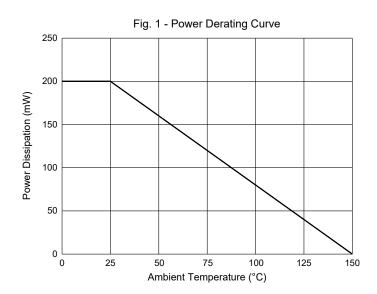
Electrical Characteristics @ 25°C Unless Otherwise Specified

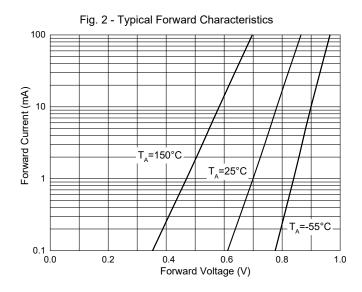
MCC Part Number			ener Zener		kimum mpedance	Maximum Reverse Current I _R @ V _R		Typical Temperature Coefficent mV/°C		Marking Code
	V _Z @ I _{ZT}		Z _{ZT} @ I _{ZT}	I _{ZK}	Z _{ZK} @ I _{ZK}	I _R	V_R	T _C @ I _{ZTC}		
	V	mA	Ω	mA	Ω	μA	V	min.	max.	
AZ23C2V4WHE3	2.28~2.65	5	100	1	600	50	1	-3.5	0	KD0
AZ23C2V7WHE3	2.5~2.9	5	100	1	600	20	1	-3.5	0	KD1
AZ23C3V0WHE3	2.8~3.2	5	95	1	600	10	1	-3.5	0	KD2
AZ23C3V3WHE3	3.1~3.5	5	95	1	600	5.0	1	-3.5	0	KD3
AZ23C3V6WHE3	3.4~3.8	5	90	1	600	5.0	1	-3.5	0	KD4
AZ23C3V9WHE3	3.7~4.1	5	90	1	600	3.0	1	-3.5	0	KD5
AZ23C4V3WHE3	4.0~4.6	5	90	1	600	3.0	1	-3.5	0	KD6
AZ23C4V7WHE3	4.4~5.0	5	80	1	500	3.0	2	-3.5	0.2	KD7
AZ23C5V1WHE3	4.8~5.4	5	60	1	480	2.0	2.0	-2.7	1.2	KD8
AZ23C5V6WHE3	5.2~6.0	5	40	1	400	1.0	2.0	-2.0	2.5	KD9
AZ23C6V2WHE3	5.8~6.6	5	10	1	150	3.0	4.0	0.4	3.7	KDA
AZ23C6V8WHE3	6.4~7.2	5	15	1	80	2.0	4.0	1.2	4.5	KDB
AZ23C7V5WHE3	7.0~7.9	5	15	1	80	1.0	5	2.5	5.3	KDC
AZ23C8V2WHE3	7.7~8.7	5	15	1	80	0.7	5	3.2	6.2	KDD
AZ23C9V1WHE3	8.5~9.6	5	15	1	100	0.5	6	3.8	7.0	KDE
AZ23C10WHE3	9.4~10.6	5	20	1	150	0.2	7.0	4.5	8.0	KDF
AZ23C11WHE3	10.4~11.6	5	20	1	150	0.1	8.0	5.4	9.0	KDG
AZ23C12WHE3	11.4~12.7	5	25	1	150	0.1	8.0	6.0	10.0	KDH
AZ23C13WHE3	12.4~14.1	5	30	1	170	0.1	8.0	7.0	11.0	KDI
AZ23C15WHE3	13.8~15.6	5	30	1	200	0.1	10.5	9.2	13.0	KDJ
AZ23C16WHE3	15.3~17.1	5	40	1	200	0.1	11.2	10.4	14.0	KDK
AZ23C18WHE3	16.8~19.1	5	45	1	225	0.1	12.6	12.4	16.0	KDL
AZ23C20WHE3	18.8~21.2	5	55	1	225	0.1	14.0	14.4	18.0	KDM
AZ23C22WHE3	20.8~23.3	5	55	1	250	0.1	15.4	16.4	20.0	KDN
AZ23C24WHE3	22.8~25.6	5	70	1	250	0.1	16.8	18.4	22.0	KDO
AZ23C27WHE3	25.1~28.9	2	80	0.5	300	0.1	18.9	21.4	25.3	KDP
AZ23C30WHE3	28~32	2	80	0.5	300	0.1	21.0	24.4	29.4	KDQ
AZ23C33WHE3	31~35	2	80	0.5	325	0.1	23.1	27.4	33.4	KDR
AZ23C36WHE3	34~38	2	90	0.5	350	0.1	25.2	30.4	37.4	KDS
AZ23C39WHE3	37~41	2	130	0.5	350	0.1	27.3	33.4	41.2	KDT

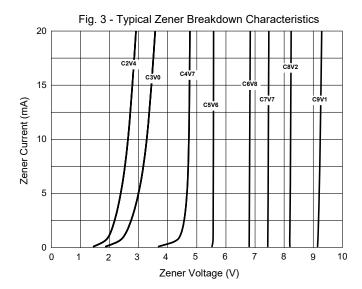
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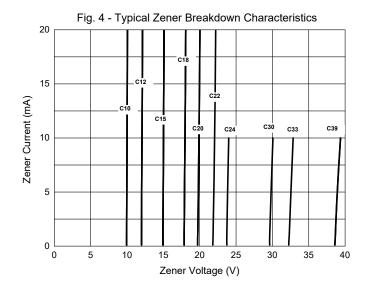


Curve Characteristics









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Ordering Information

Device	Packing			
Part Number-TP	Tape&Reel:3Kpcs/Reel			

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