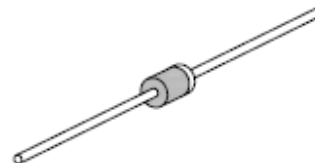


1.5W Zener Diodes

Features

- Zener Voltage 100v to 330v
- Low Zener impedance
- Low regulation factor
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High temperature soldering guaranteed:
260°C/10 seconds, 0.375" (9.5mm) lead length at 5lbs. (2.3kg tension)
- RoHS Compliant



DO-41



Mechanical Data

Case:	DO-41, molded plastic
Terminals:	Axial leads, solderable per MIL-STD-202, Method 208
Polarity:	Cathode indicated by color band
Approx Weight:	0.34 gram
Mounting Position:	Any

Maximum Ratings ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

Symbol	Description	Value	Unit	Conditions
P_d	Power Dissipation	1.5	W	TL=75°C, lead length .375"(9.5mm)
V_F	Maximum Instantaneous Forward Voltage	1.2	V	IF=0.2A
T_J	Operating Junction Temperature	150	°C	
T_{STG}	Storage Temperature Range	-55 to 150	°C	

1.5W Zener Diodes

TZ100B - TZ330B

Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

Part NO.	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance			Max. Reverse Leakage Current I _R @ V _R		Max. Zener Current
	V _Z (V)									
	Nom.	Min.	Max.	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	I _{ZM} (mA) (Note 2)	
TZ100B	100	95	105	5.0	350	3000	0.25	0.5	75	14.29
TZ110B	110	104.5	115.5	5.0	450	4000	0.25	0.5	80	12.99
TZ115B	115	109.25	120.75	5.0	500	4250	0.25	0.5	85	12.42
TZ120B	120	114	126	5.0	550	4500	0.25	0.5	90	11.90
TZ130B	130	123.5	136.5	5.0	700	5000	0.25	0.5	95	10.99
TZ135B	135	128.25	141.75	5.0	750	5250	0.25	0.5	100	10.58
TZ140B	140	133	147	5.0	800	5500	0.25	0.5	105	10.20
TZ150B	150	142.5	157.5	5.0	1000	6000	0.25	0.5	110	9.52
TZ160B	160	152	168	5.0	1100	6500	0.25	0.5	120	8.93
TZ170B	170	161.5	178.5	5.0	1200	6750	0.25	0.5	130	8.40
TZ180B	180	171	189	5.0	1300	7000	0.25	0.5	140	7.94
TZ190B	190	180.5	199.5	5.0	1500	7500	0.25	0.5	150	7.52
TZ200B	200	190	210	5.0	1700	8000	0.25	0.5	160	7.14
TZ240B	240	228	252	5.0	2200	8500	0.25	0.5	180	5.95
TZ270B	270	256.5	283.5	5.0	2500	8750	0.25	0.5	200	5.29
TZ300B	300	285	315	5.0	3000	9000	0.25	0.5	220	4.76
TZ330B	330	313.5	346.5	5.0	4000	9500	0.25	0.5	240	4.33

- Note:** 1. I_{ZT}: Pulse Test Current
 2. I_{ZM}: Maximum Continuous Regulator Current

Typical Characteristics Curves

Fig.1-Max. Continuous Power Dissipation

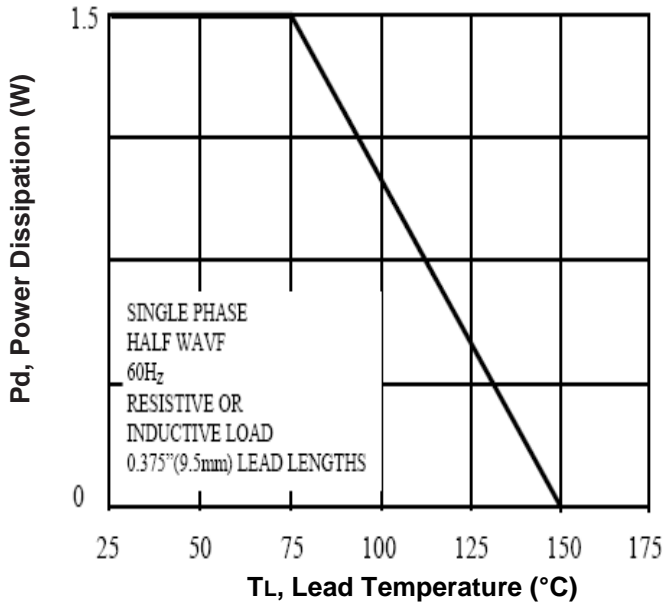


Fig.2- Typical Forward Characteristic

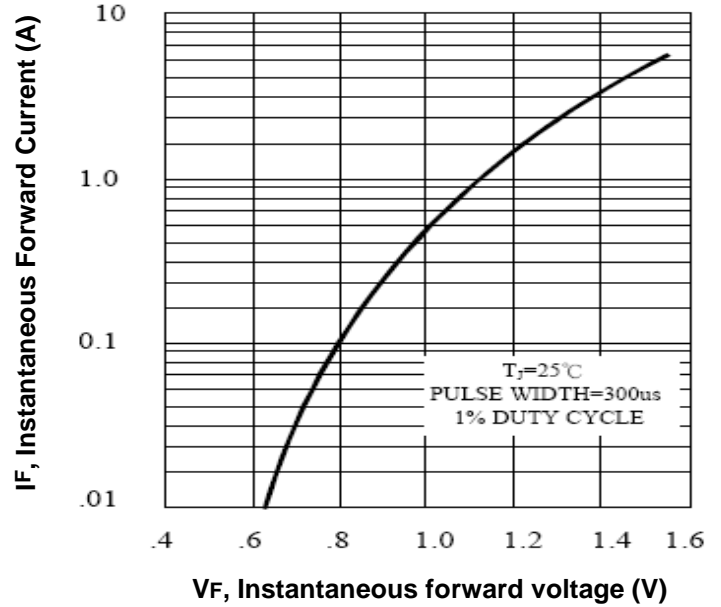


Fig.3-Typical Temperature Coefficients

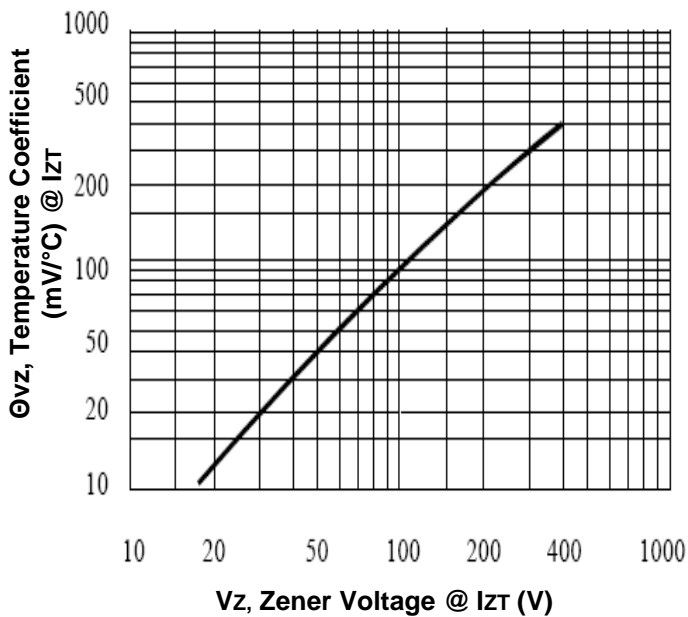
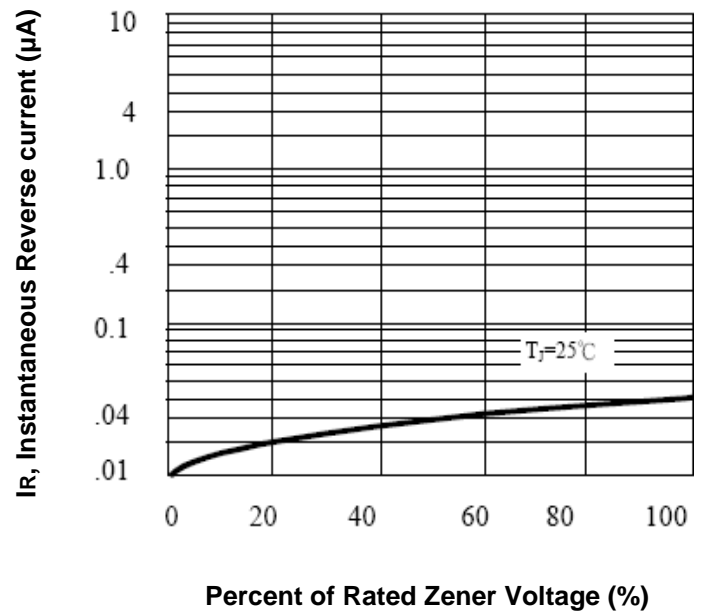
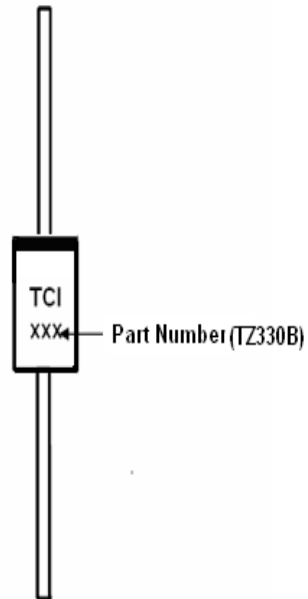


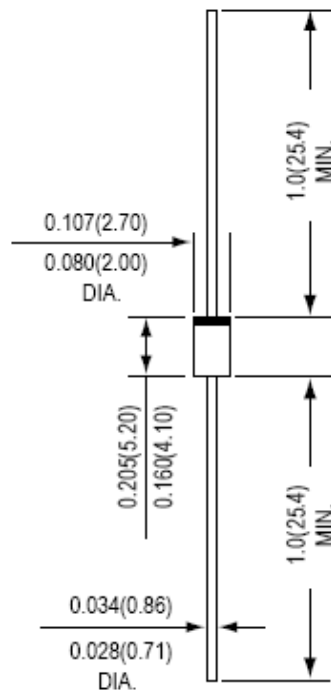
Fig.4-Typical Reverse Characteristics



Marking Information:

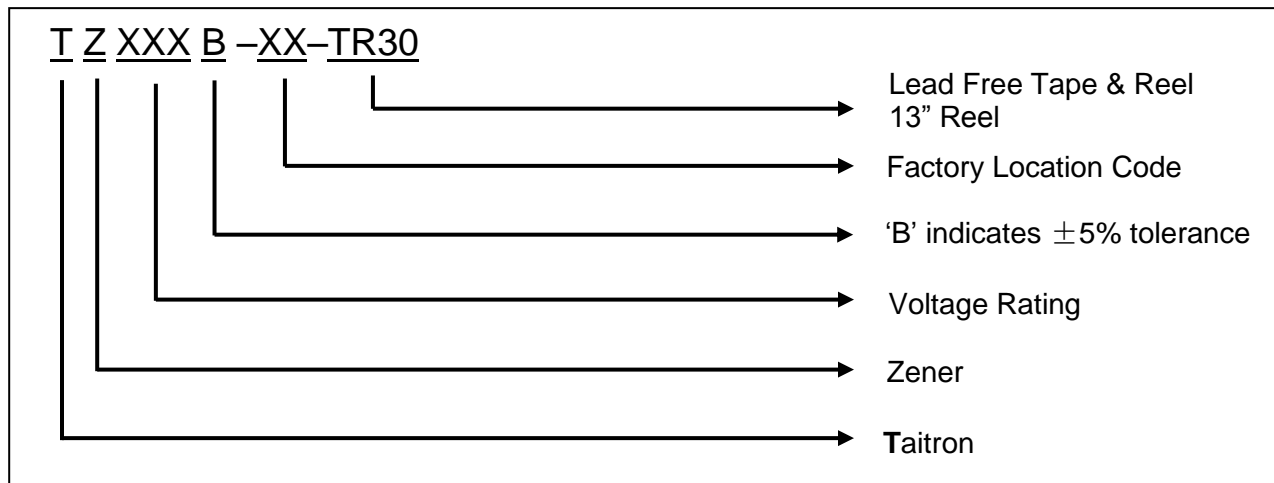


Dimensions in inch (mm)



DO-41
(DO-204AL)

Ordering Information



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