

1.0W Plastic Zener Diodes Zener Voltage 100 to 350V

Features

- Plastics package has Underwrites Laboratories Flammability Classification 94V-0
- Low zener impedance
- Excellent clamping capability
- Diffused junction
- High temperature soldering guaranteed : 260°C/10 seconds, 0.375"(9.5mm)lead length, 5 lbs. (2.3kg) tension

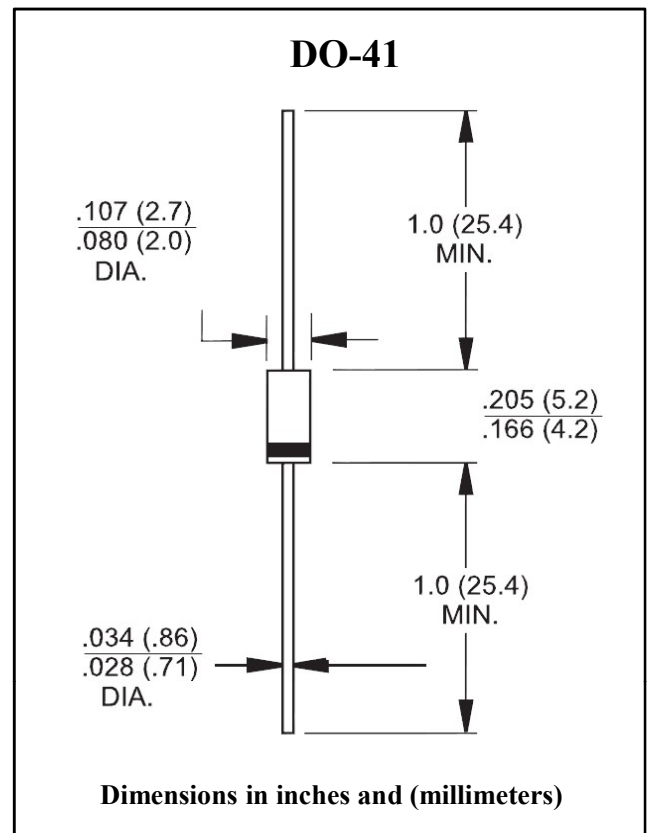
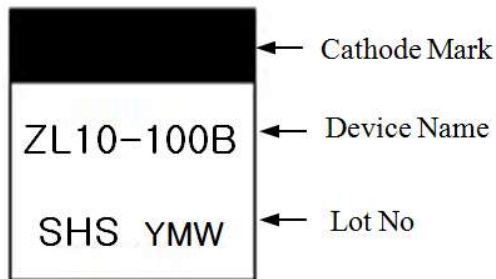
Mechanical Data

- Case : JEDEC DO-41, molded plastic body
- Terminals : Plated axial leads, solderable per MIL-STD-750, Method 2026
- Polarity : Color band denotes cathode end
- Mounting Position : Any
- Weight : 0.012 oz., 0.34g
- Handling precaution : None

Applications

- Constant-voltage circuit
- Surge absorbing circuit
- Voltage shift circuit

Marking



Maximum Ratings (Ta=25°C unless otherwise noted)

Parameter	Rated Value	Remark
Power Dissipation	1.0	
Maximum Junction Temperature	150	
Storage Temperature Range	-55 to +150	



Electrical Characteristics (Ta=25°C unless otherwise noted)

Type No.	Zener Breakdown Voltage	Dynamic Impedances (@ Ta =25 °C)		Maximum Reverse Current @Measurement Voltage and Ta=25 °C		Maximum Forward Voltage @IF=0.2A
	V _Z	I _{ZT}	Z _{ZT}	V _R	I _R	V _F
	V	mA	ohms	V	uA	V
ZL10-100B	100	0.1	2000	86	0.3	1.2
ZL10-110B	110	0.1	2000	94	0.3	1.2
ZL10-115B	115	0.1	2000	98	0.3	1.2
ZL10-120B	120	0.1	2000	103	0.3	1.2
ZL10-130B	130	0.1	2000	111	0.3	1.2
ZL10-140B	140	0.1	5000	120	0.3	1.2
ZL10-150B	150	0.1	5000	128	0.3	1.2
ZL10-160B	160	0.1	5000	137	0.3	1.2
ZL10-170B	170	0.1	5000	145	0.3	1.2
ZL10-180B	180	0.1	5000	154	0.3	1.2
ZL10-190B	190	0.1	5000	162	0.3	1.2
ZL10-200B	200	0.1	8000	171	0.3	1.2
ZL10-210B	210	0.1	9000	180	0.3	1.2
ZL10-220B	220	0.1	9000	188	0.3	1.2
ZL10-230B	230	0.1	9000	197	0.3	1.2
ZL10-240B	240	0.1	9000	205	0.3	1.2
ZL10-250B	250	0.1	9000	214	0.3	1.2
ZL10-260B	260	0.1	9000	222	0.3	1.2
ZL10-270B	270	0.1	9000	231	0.3	1.2
ZL10-280B	280	0.1	9000	239	0.3	1.2
ZL10-290B	290	0.1	9000	248	0.3	1.2
ZL10-300B	300	0.1	9000	257	0.3	1.2
ZL10-310B	310	0.1	9500	265	0.3	1.8
ZL10-320B	320	0.1	9500	274	0.3	1.8
ZL10-330B	330	0.1	9500	282	0.3	1.8
ZL10-340B	340	0.1	9500	290	0.3	1.8
ZL10-350B	350	0.1	9500	299	0.3	1.8

NOTES:

1. Operating junction and storage temperature range -55~150°C
2. Suffix "B" (±5%)-5V;



Rating and Charateristic Curves

Fig. 1 Typical Zener Voltage Characteristis

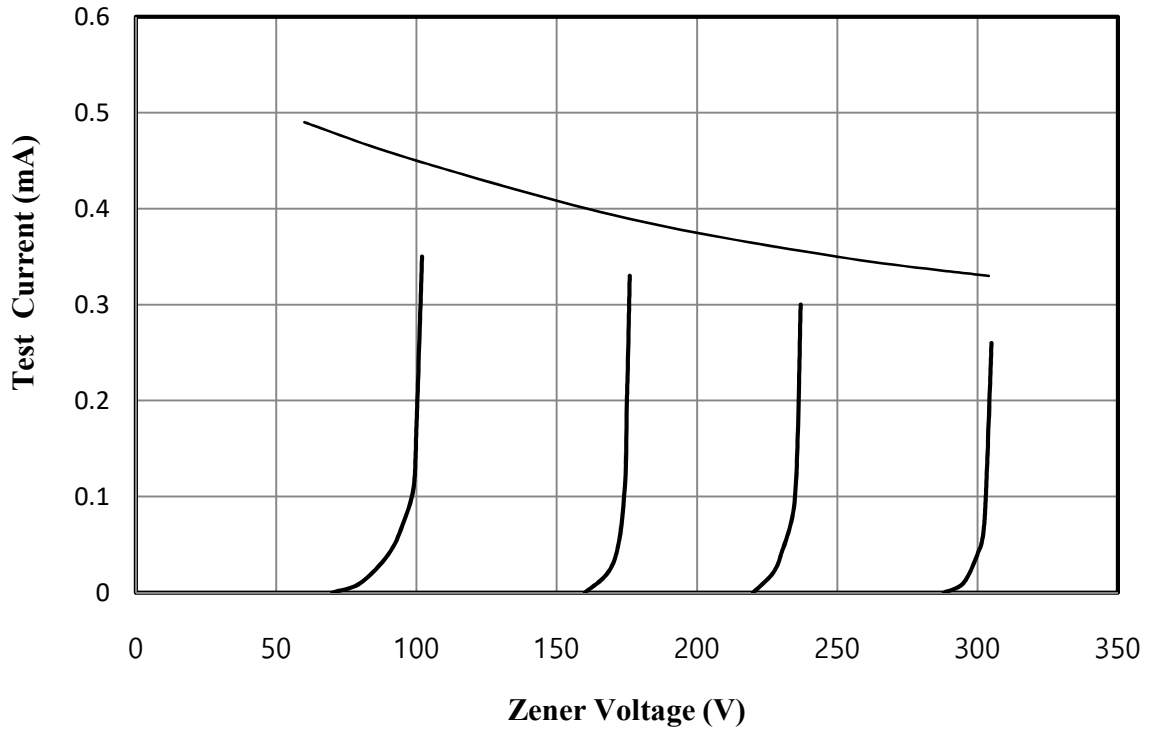


Fig. 2 Power Dissipation Characteristics

