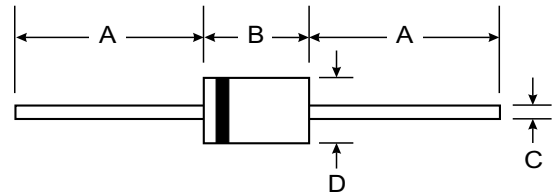


Features

- 1.3 W Power Dissipation
- Reliable Glass Package
- Planar Die Construction
- 0.7V - 100V Nominal Zener Voltages
Plus ZPY1 Stabistor

Mechanical Data

- Case: Glass, DO-41
- Leads: Solderable per MIL-STD-202,
Method 208
- Polarity: Cathode Band
- Marking: Type Number
- Weight: 0.35 grams (approx.)



DO-41		
Dim	Min	Max
A	25.4	—
B	4.1	5.2
C	0.71	0.86
D	2.0	2.7
All Dimensions in mm		

Maximum Ratings 25°C unless otherwise specified

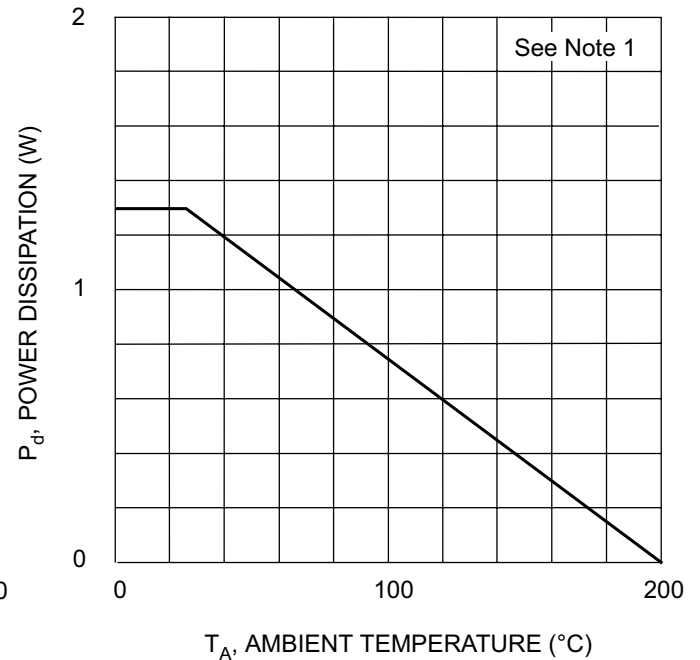
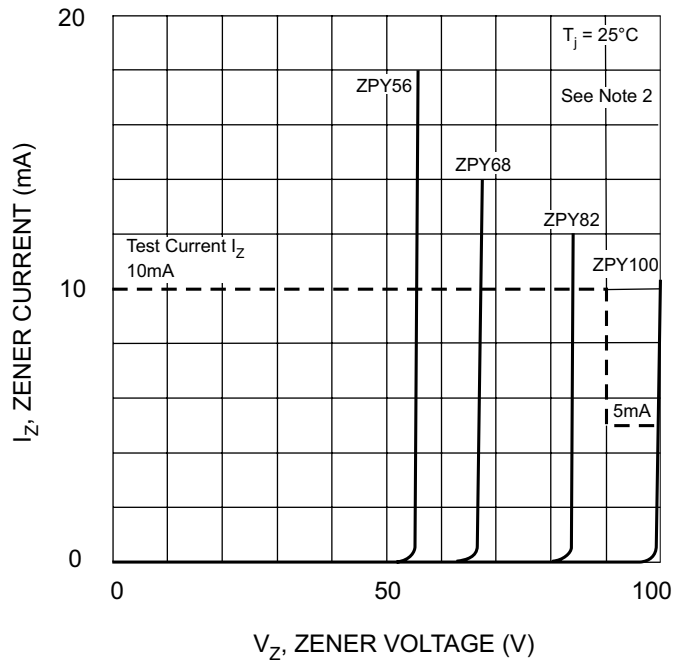
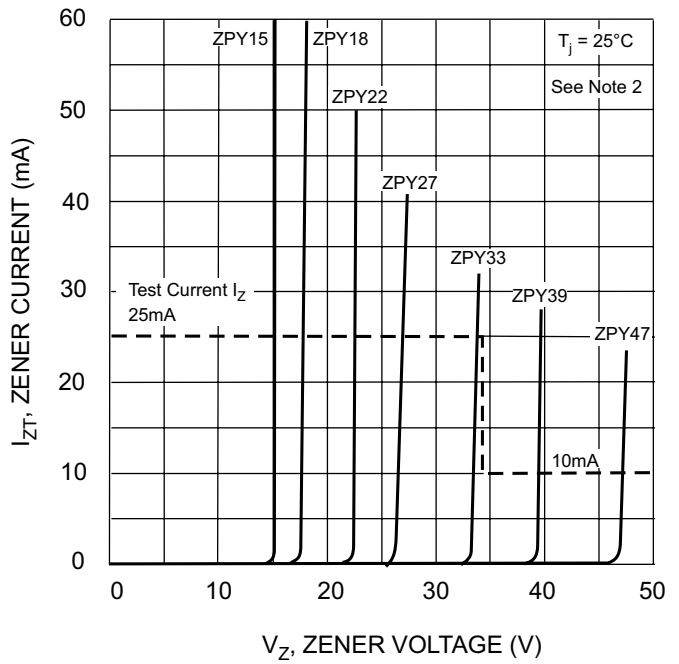
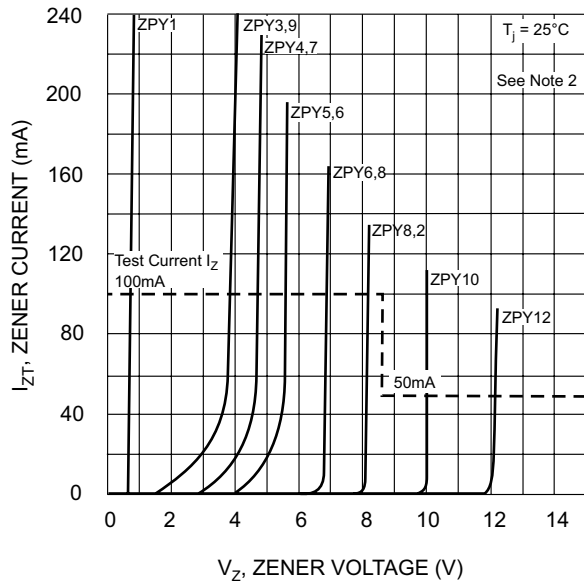
Characteristic	Symbol	Value	Unit
Zener Current (see Table on Page 2)	—	—	—
Power Dissipation (Note 1)	P_d	1.3	W
Thermal Resistance, Junction to Ambient Air (Note 1)	$R_{\theta JA}$	135	K/W
Operating and Storage Temperature Range	T_j, T_{STG}	-55 to +200	°C

Note: 1. Valid provided that leads are kept at ambient temperature at a distance of 10mm from case.

Electrical Characteristics 25°C unless otherwise specified

Type Number	Zener Voltage Range (Note 2)	Test Current	Maximum Zener Impedance	Typical Temperature Coefficient	Minimum Reverse Voltage @ $I_R = 0.5\mu A$	Maximum Zener Current (Note 1)
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	@ TC	VR	I_{ZM}
	Volts	mA	Ohms	%/°C	Volts	mA
ZPY1 (Note 3)	0.65-0.75	5.0	8	-0.24	—	580
ZPY3.9	3.7-4.1	100	7	-0.025	—	290
ZPY4.3	4.0-4.6	100	7	-0.020	—	260
ZPY4.7	4.4-5.0	100	7	-0.015	—	235
ZPY5.1	4.8-5.4	100	5	-0.005	0.7	215
ZPY5.6	5.2-6.0	100	2	+0.010	1.5	193
ZPY6.2	5.8-6.6	100	2	+0.025	2	183
ZPY6.8	6.4-7.2	100	2	+0.035	3	157
ZPY7.5	7.0-7.9	100	2	+0.035	5	143
ZPY8.2	7.7-8.7	100	2	+0.055	6	127
ZPY9.1	8.5-9.6	50	4	+0.055	7	117
ZPY10	9.4-10.6	50	4	+0.070	7.5	105
ZPY11	10.4-11.6	50	7	+0.075	8.5	94
ZPY12	11.4-12.7	50	7	+0.075	9.0	85
ZPY13	12.4-14.1	50	9	+0.075	10	78
ZPY15	13.8-15.8	50	9	+0.075	11	70
ZPY16	15.3-17.1	25	10	+0.090	12	63
ZPY18	16.8-19.1	25	11	+0.090	14	57
ZPY20	18.8-21.2	25	12	+0.090	15	52
ZPY22	20.8-23.3	25	13	+0.090	17	48
ZPY24	22.8-25.6	25	14	+0.095	18	42
ZPY27	25.1-28.9	25	15	+0.095	20	38
ZPY30	28-32	25	20	+0.095	22.5	35
ZPY33	31-35	25	20	+0.095	25	31
ZPY36	34-38	10	60	+0.095	27	29
ZPY39	37-41	10	60	+0.100	29	26
ZPY43	40-46	10	80	+0.105	32	24
ZPY47	44-50	10	80	+0.105	35	22
ZPY51	48-54	10	100	+0.105	38	20
ZPY56	52-60	10	100	+0.105	42	18
ZPY62	58-66	10	130	+0.105	47	16
ZPY68	64-72	10	130	+0.105	51	14
ZPY75	70-79	10	160	+0.105	56	13
ZPY82	77-88	10	160	+0.105	61	12
ZPY91	85-96	5.0	250	+0.110	68	11
ZPY100	94-106	5.0	250	+0.110	75	10

- Notes:
1. Valid provided that leads are kept at ambient temperature at a distance of 10mm from case.
 2. Tested with pulses $t_p = 20\text{ms}$.
 3. The ZPY1 is a silicon diode operated in forward direction. Hence, the index of all parameters and maximum ratings should be "F" instead of "Z." Connect the cathode terminal to the negative pole.



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