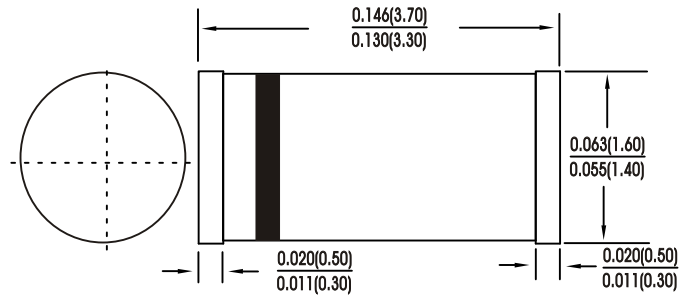


## FEATURES:

- Planar Die construction
- 500mV Power Dissipation construction
- Ideally Sulted for Automated Assembly Processes

MINI-MELF SOD-80/DO-213AA

## MECHANICAL DATA

Case: MINI MELF Molded Glass

Terminals: Solderable per MIL-STD-202E, Method 208

Polarity: See Diagram Below

Approx Weigh: 0.008 grams

Mounting Position: Any

Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temp. unless otherwise specified.

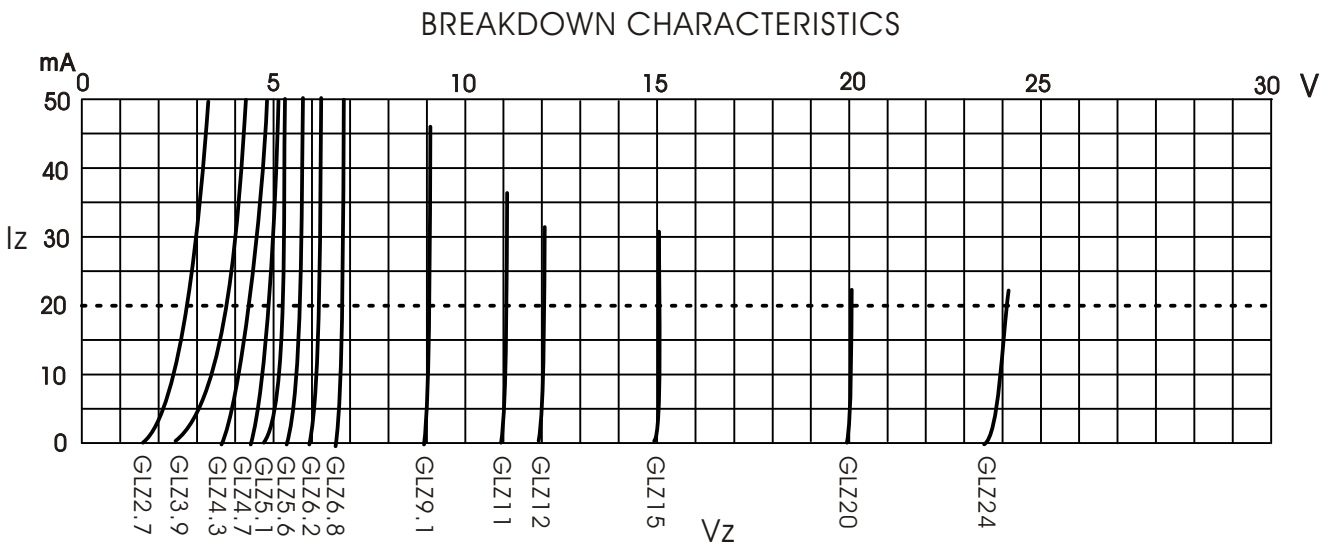
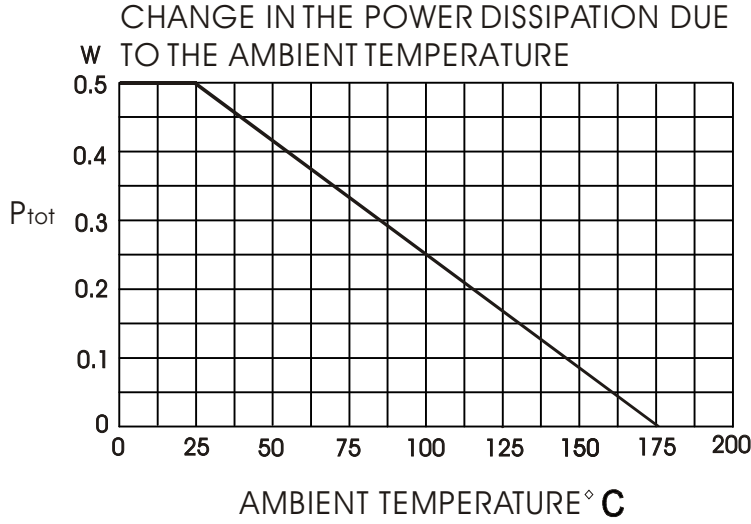
Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	Value	Units
Power Dissipation at Tamb=25 °C	P <sub>tot</sub>	0.5 <sup>1)</sup>	W
Z-current	I <sub>Z</sub>	P <sub>V</sub> /V <sub>Z</sub>	mA
Thermal Resistance Junction to Ambient Air	R <sub>thJ-A</sub>	0.3 <sup>1)</sup>	K/mW
Maximum instantaneous forward voltage drop IF=10 mADC	V <sub>F</sub>	0.9	Volts
Junction temperature	T <sub>J</sub>	175	°C
Storage temperature range	T <sub>stg</sub>	-65 to +175	°C

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

**SURFACE MOUNT ZENER DIODES GLZ2.0(A)(B)(C) THRU GLZ56(A)(B)(C)**



## SURFACE MOUNT ZENER DIODES GLZ2.0(A)(B)(C) THRU GLZ56(A)(B)(C)

Device Type	CLASS	Zener Voltage Vz at IzT		Test Current IzT	Maximum Zener Impedance			Maximum Reverse Leakage Current		Marking code
		MIN.	MAX.		ZzT at IzT	ZzK at IzK	IzK	IR	VR	
		Volts	Volts	<b>mA</b>	$\Omega$	$\Omega$	<b>mA</b>	$\mu$ A	Volts	
GLZ 2.0	A	1.880	2.100	20	140	2000	1.0	120	0.5	2A0
	B	2.020	2.200							2B0
GLZ 2.2	A	2.120	2.300	20	120	2000	1.0	120	0.7	2A2
	B	2.220	2.410							2B2
GLZ 2.4	A	2.330	2.520	20	100	2000	1.0	120	1.0	2A4
	B	2.430	2.630							2B4
GLZ 2.7	A	2.540	2.750	20	100	1000	1.0	120	1.0	2A7
	B	2.690	2.910							2B7
GLZ 3.0	A	2.850	3.070	20	80	1000	1.0	50	1.0	3A0
	B	3.010	3.220							3B0
GLZ 3.3	A	3.160	3.380	20	70	1000	1.0	30	1.0	3A3
	B	3.320	3.530							3B3
GLZ 3.6	A	3.455	3.695	20	60	1000	1.0	10	1.0	3A6
	B	3.600	3.845							3B6
GLZ 3.9	A	3.740	4.010	20	50	1000	1.0	5	1.0	3A9
	B	3.890	4.160							3B9
GLZ 4.3	A	4.040	4.290	20	40	1000	1.0	5	1.0	4A3
	B	4.170	4.430							4B3
	C	4.300	4.570							4C3
GLZ 4.7	A	4.440	4.680	20	25	900	1.0	5	1.0	4A7
	B	4.550	4.800							4B7
	C	4.680	4.930							4C7
GLZ 5.1	A	4.810	5.070	20	20	800	1.0	5	1.5	5A1
	B	4.940	5.200							5B1
	C	5.090	5.370							5C1
GLZ 5.6	A	5.280	5.550	20	13	500	1.0	5	2.5	5A6
	B	5.450	5.730							5B6
	C	5.610	5.910							5C6
GLZ 6.2	A	5.780	6.090	20	10	300	1.0	5	3.0	6A2
	B	5.960	6.270							6B2
	C	6.120	6.440							6C2
GLZ 6.8	A	6.290	6.630	20	8	150	0.5	2.0	3.5	6A8
	B	6.490	6.830							6B8
	C	6.660	7.010							6C8
GLZ 7.5	A	6.850	7.220	20	8	120	0.5	0.5	4.0	7A5
	B	7.070	7.450							7B5
	C	7.290	7.670							7C5
GLZ 8.2	A	7.530	7.920	20	8	120	0.5	0.5	5.0	8A2
	B	7.780	8.190							8B2
	C	8.030	8.450							8C2
GLZ 9.1	A	8.290	8.730	20	8	120	0.5	0.5	6.0	9A1
	B	8.570	9.010							9B1
	C	8.830	9.300							9C1
GLZ 10	A	9.120	9.590	20	8	120	0.5	0.2	7.0	10A
	B	9.410	9.900							10B
	C	9.700	10.20							10C
	D	9.940	10.44							10D
GLZ 11	A	10.18	10.71	10	10	120	0.5	0.2	8.0	11A
	B	10.50	11.05							11B
	C	10.82	11.38							11C
GLZ 12	A	11.13	11.71	10	12	110	0.5	0.2	9.0	12A
	B	11.44	12.03							12B
	C	11.74	12.35							12C
GLZ 13	A	12.11	12.75	10	14	110	0.5	0.2	1.0	13A
	B	12.55	13.21							13B
	C	12.99	13.66							13C

## SURFACE MOUNT ZENER DIODES GLZ2.0(A)(B)(C) THRU GLZ56(A)(B)(C)

Device Type	CLASS	Zener Voltage Vz at IzT		Test Current IzT	Maximum Zener Impedance			Maximum Reverse Leakage Current		Marking code
		MIN.	MAX.		ZzT at IzT	ZzK at IzK	IzK	IR	VR	
		Volts		<b>mA</b>	$\Omega$	$\Omega$	<b>mA</b>	$\mu$ A	Volts	
GLZ 15	A	13.44	14.13	10	14	110	0.5	0.2	11	15A
	B	13.89	14.62							15B
	C	14.35	15.09							15C
GLZ 16	A	14.80	15.57	10	16	150	0.5	0.2	12	16A
	B	15.25	16.04							16B
	C	15.69	16.51							16C
GLZ 18	A	16.22	17.06	10	18	150	0.5	0.2	13	18A
	B	16.82	17.70							18B
	C	17.42	18.33							18C
GLZ 20	A	18.02	18.96	10	23	200	0.5	0.2	15	20A
	B	18.63	19.59							20B
	C	19.23	20.22							20C
	D	19.72	20.72							
GLZ 22	A	20.15	21.20	5	28	200	0.5	0.2	17	22A
	B	20.64	21.71							22B
	C	21.08	22.17							22C
	D	21.52	22.63							
GLZ 24	A	22.05	23.18	5	30	200	0.5	0.2	19	24A
	B	22.61	23.77							24B
	C	23.12	24.31							24C
	D	23.63	24.85							
GLZ 27	A	24.26	25.52	5	35	200	0.5	0.2	21	27A
	B	24.97	26.26							27B
	C	25.63	26.95							27C
	D	26.29	27.64							
GLZ 30	A	26.99	28.39	5	45	250	0.5	0.2	23	30A
	B	27.70	29.13							30B
	C	28.36	29.82							30C
	D	29.02	30.51							
GLZ 33	A	29.68	31.22	5	55	250	0.5	0.2	25	33A
	B	30.32	31.88							33B
	C	30.90	32.50							33C
	D	31.49	33.11							
GLZ 36	A	32.14	33.79	5	75	250	0.5	0.2	27	36A
	B	32.79	34.49							36B
	C	33.40	35.13							36C
	D	34.01	35.77							
GLZ 39	A	34.68	36.47	5	85	250	0.5	0.2	30	39A
	B	35.36	37.19							39B
	C	36.00	37.85							39C
	D	36.63	38.52							
GLZ 43		40.00	45.00	5	90	---	---	0.2	33	43
GLZ 47		44.00	49.00	5	90	---	---	0.2	36	47
GLZ 51		48.00	54.00	5	110	---	---	0.2	39	51
GLZ 51		53.00	60.00	5	110	---	---	0.2	43	56