

### ZENER DIODES

**POWER DISSIPATION: 500 mW**

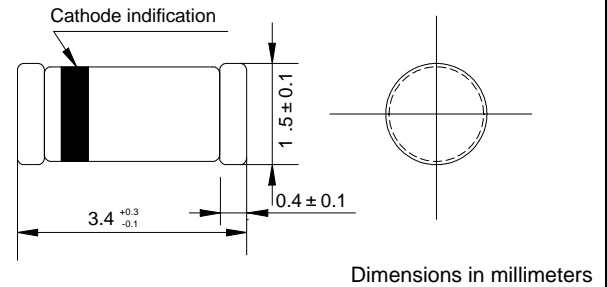
#### FEATURES

- Low cost
- Small size
- Glass sealed

#### MECHANICAL DATA

- Case: MINI-MELF, glass case
- Terminals: solderable per MIL-STD-202, method 208
- Polarity: color band denotes cathode
- Mounting position: any
- Weight: 0.05 grams

#### MINI-MELF



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.  
Single phase, half wave, 60Hz.

**Electrical characteristics**  $V_F=1.2V$  max,  $I_F = 200mA$  for all types.

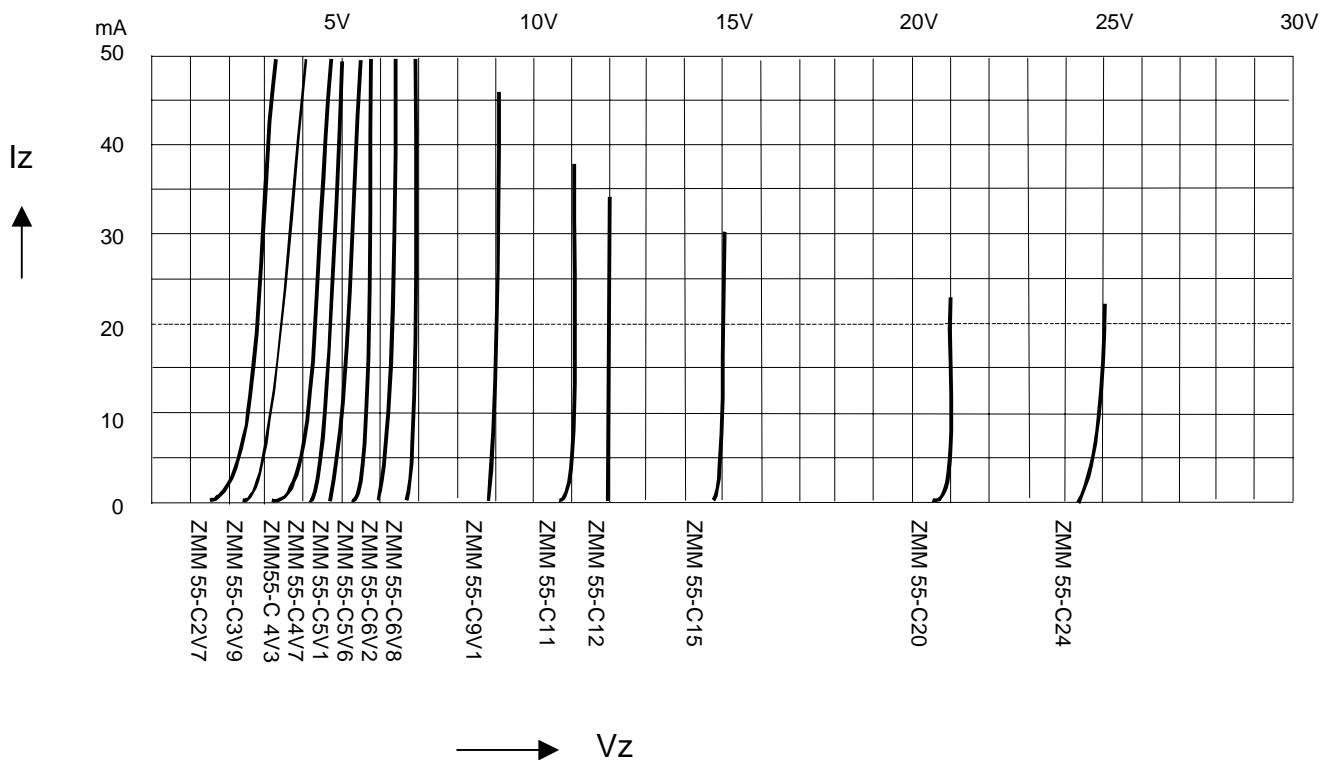
JEDEC type no	Nominal zener voltage $V_Z @ I_{ZT}^*$	Test current $I_{ZT}$	Maximum zener impedance		Typical temperature coefficient	Maximum reverse leakage current		Maximum regulator current $I_{ZM}$
			$Z_{ZT} @ I_{ZT}$	$Z_{ZK}$ at $I_{ZK}=1mA$		$I_R$	Test voltage suffix b	
	V	mA			%/	$\mu A$	V	mA
ZMM55-C2V2	2.09-2.31	5	85	600	-0.070	50	1.0	170
ZMM55-C2V4	2.28-2.56	5	85	600	-0.070	50	1.0	150
ZMM55-C2V7	2.5-2.9	5	85	600	-0.070	10	1.0	135
ZMM55-C3V0	2.8-3.2	5	85	600	-0.070	4	1.0	125
ZMM55-C3V3	3.1-3.5	5	85	600	-0.065	2	1.0	115
ZMM55-C3V6	3.4-3.8	5	85	600	-0.060	2	1.0	105
ZMM55-C3V9	3.7-4.1	5	85	600	-0.050	2	1.0	95
ZMM55-C4V3	4.0-4.6	5	75	600	-0.025	1	1.0	90
ZMM55-C4V7	4.4-5.0	5	60	600	-0.010	0.5	1.0	85
ZMM55-C5V1	4.8-5.4	5	35	550	+0.015	0.1	1.0	80
ZMM55-C5V6	5.2-6.0	5	25	450	+0.025	0.1	1.0	70
ZMM55-C6V2	5.8-6.6	5	10	200	+0.035	0.1	2.0	64
ZMM55-C6V8	6.4-7.2	5	8	150	+0.045	0.1	3.0	58
ZMM55-C7V5	7.0-7.9	5	7	50	+0.050	0.1	5.0	53
ZMM55-C8V2	7.7-8.7	5	7	50	+0.050	0.1	6.0	47
ZMM55-C9V1	8.5-9.6	5	10	50	+0.060	0.1	7.0	43
ZMM55-C10	9.4-10.6	5	15	70	+0.070	0.1	7.5	40
ZMM55-C11	10.4-11.6	5	20	70	+0.070	0.1	8.5	36
ZMM55-C12	11.4-12.7	5	20	90	+0.070	0.1	9.0	32
ZMM55-C13	12.4-14.1	5	26	110	+0.070	0.1	10	29
ZMM55-C15	13.8-15.6	5	30	110	+0.070	0.1	11	27
ZMM55-C16	15.3-17.1	5	40	170	+0.070	0.1	12	24
ZMM55-C18	16.8-19.1	5	50	170	+0.070	0.1	14	21
ZMM55-C20	18.8-21.2	5	55	220	+0.070	0.1	15	20
ZMM55-C22	20.8-23.3	5	55	220	+0.070	0.1	17	18
ZMM55-C24	22.8-25.6	5	80	220	+0.080	0.1	18	16
ZMM55-C27	25.1-28.9	5	80	220	+0.080	0.1	20	14
ZMM55-C30	28-32	5	80	220	+0.080	0.1	22	13
ZMM55-C33	31-35	5	80	220	+0.080	0.1	24	12
ZMM55-C36	34-38	5	80	220	+0.080	0.1	27	11
ZMM55-C39	37-41	2.5	90	500	+0.080	0.1	30	10
ZMM55-C43	40-46	2.5	90	600	+0.080	0.1	33	9.2
ZMM55-C47	44-50	2.5	100	700	+0.080	0.1	36	8.5

NOTE: \* Measured with pulses  $T_p=20ms$

1. Suffix "A" for  $\pm 1\%$ , Suffix "B" for  $\pm 2\%$ , Suffix "C" for  $\pm 5\%$ , Suffix "D" for  $\pm 10\%$ .

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**FIG.1- BREAKDOWN CHARACTERISTICS**



**FIG.2- POWER ,TEMPERATURE DERATING CURVE**

