

**ZENER DIODES** POWER DISSIPATION: 500 mW

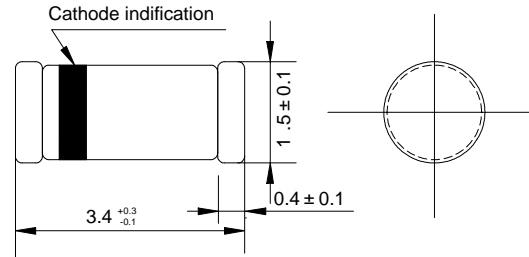
**FEATURES**

- Low cost
- Small size
- Glass sealed

**MECHANICAL DATA**

- Case: LL34 glass case
- Terminals: solderable per MIL-STD-202, method 208
- Polarity: color band denotes cathode
- Mounting position: any
- Weight: 0.05 grams

**LL-34**



Dimensions in millimeters

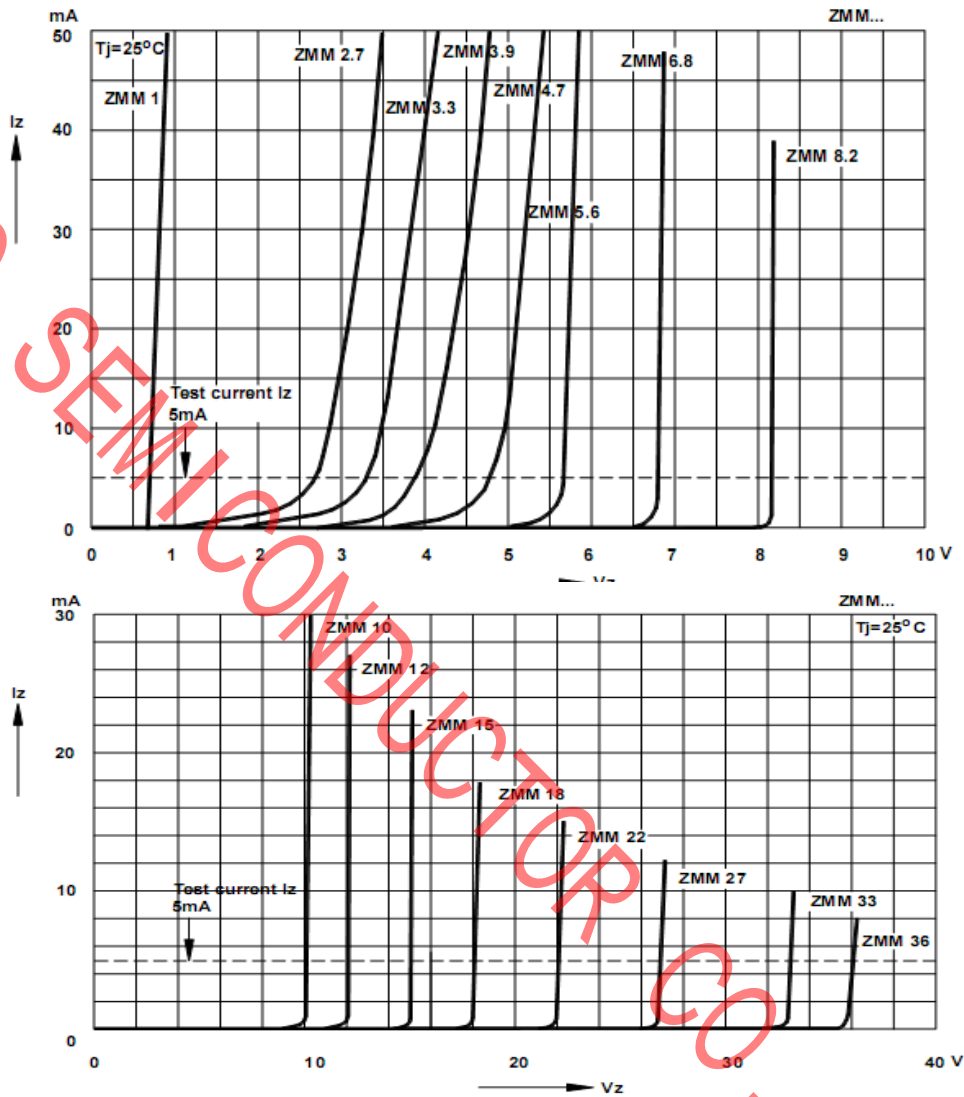
Ratings at 25°C ambient temperature unless otherwise specified.  
Single phase, half wave, 60Hz.

**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	
			$Z_{ZT} @ I_{ZT}$	$Z_{ZK}$ at $I_{ZK}=1mA$		$I_R$	Test voltage suffix b
	V	mA			%/°C	$I_R$	V
ZMM2V4	2.28-2.56	5	85	600	-0.070	50	1.0
ZMM2V7	2.5-2.9	5	85	600	-0.070	10	1.0
ZMM3V0	2.8-3.2	5	85	600	-0.070	4	1.0
ZMM3V3	3.1-3.5	5	85	600	-0.065	2	1.0
ZMM3V6	3.4-3.8	5	85	600	-0.060	2	1.0
ZMM3V9	3.7-4.1	5	85	600	-0.050	2	1.0
ZMM4V3	4.0-4.6	5	75	600	-0.025	1	1.0
ZMM4V7	4.4-5.0	5	60	600	-0.010	0.5	1.0
ZMM5V1	4.8-5.4	5	35	550	0.015	0.1	1.0
ZMM5V6	5.2-6.0	5	25	450	0.025	0.1	1.0
ZMM6V2	5.8-6.6	5	10	200	0.035	0.1	2.0
ZMM6V8	6.4-7.2	5	8	150	0.045	0.1	3.0
ZMM7V5	7.0-7.9	5	7	50	0.050	0.1	5.0
ZMM8V2	7.7-8.7	5	7	50	0.050	0.1	6.0
ZMM9V1	8.5-9.6	5	10	50	0.060	0.1	7.0
ZMM10	9.4-10.6	5	15	70	0.070	0.1	7.5
ZMM11	10.4-11.6	5	20	70	0.070	0.1	8.5
ZMM12	11.4-12.7	5	20	90	0.070	0.1	9.0
ZMM13	12.4-14.1	5	26	110	0.070	0.1	10
ZMM15	13.8-15.6	5	30	110	0.070	0.1	11
ZMM16	15.3-17.1	5	40	170	0.070	0.1	12
ZMM18	16.8-19.1	5	50	170	0.070	0.1	14
ZMM20	18.8-21.2	5	55	220	0.070	0.1	15
ZMM22	20.8-23.3	5	55	220	0.070	0.1	17
ZMM24	22.8-25.6	5	80	220	0.080	0.1	18
ZMM27	25.1-28.9	5	80	220	0.080	0.1	20
ZMM30	28-32	5	80	220	0.080	0.1	22
ZMM33	31-35	5	80	220	0.080	0.1	24
ZMM36	34-38	5	80	220	0.080	0.1	27
ZMM39	37-41	2.5	90	500	0.080	0.1	30
ZMM43	40-46	2.5	90	600	0.080	0.1	33
ZMM47	44-50	2.5	110	700	0.080	0.1	36
ZMM51	48-54	2.5	125	700	0.080	0.1	39
ZMM56	52-60	2.5	135	1000	0.080	0.1	43
ZMM62	58-66	2.5	150	1000	0.080	0.1	47
ZMM68	64-72	2.5	200	1000	0.080	0.1	51
ZMM75	70-79	2.5	250	1500	0.080	0.1	56

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

**FIG.1- BREAKDOWN CHARACTERISTICS**



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

