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500mW MINI MELF ZENER DIODE

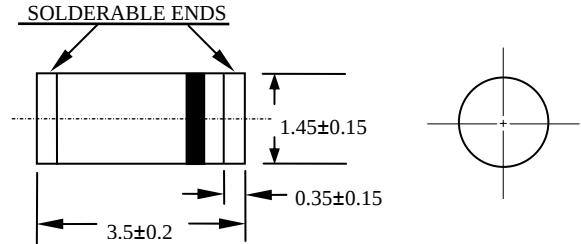
ZMM55-C2V4-LFR THRU ZMM55-C36-LFR

FEATURES

- LOW COST
- SMALL SIZE
- GLASS SEALED
- ROHS

MECHANICAL DATA

- CASE: MINI MELF GLASS CASE, DO-213AA GL34, DIMENSIONS IN MILLIMETERS
- TERMINALS: SOLDERABLE PER MIL-STD -202, METHOD 208
- POLARITY: COLOR BAND DENOTES CATHODE
- MOUNTING POSITION: ANY
- WEIGHT: 0.036 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED
SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE BY 20%

ELECTRICAL CHARACTERISTICS (TA=25°C UNLESS OTHERWISE NOTED) VF=1.2V MAX, IF = 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		IR	TEST VOLTAGE SUFFIX B	
	VOLTS	mA	OHMS	OHMS	% / °C	µA	VOLTAGE	mA
ZMM55-C2V4-LFR	2.28-2.56	5	85	600	-0.070	50	1.0	150
ZMM55-C2V7-LFR	2.5-2.9	5	85	600	-0.070	10	1.0	135
ZMM55-C3V0-LFR	2.8-3.2	5	85	600	-0.070	4	1.0	125
ZMM55-C3V3-LFR	3.1-3.5	5	85	600	-0.065	2	1.0	115
ZMM55-C3V6-LFR	3.4-3.8	5	85	600	-0.060	2	1.0	105
ZMM55-C3V9-LFR	3.7-4.1	5	85	600	-0.050	2	1.0	95
ZMM55-C4V3-LFR	4.0-4.6	5	75	600	-0.025	1	1.0	90
ZMM55-C4V7-LFR	4.4-5.0	5	60	600	-0.010	0.5	1.0	85
ZMM55-C5V1-LFR	4.8-5.4	5	35	550	+0.015	0.1	1.0	80
ZMM55-C5V6-LFR	5.2-6.0	5	25	450	+0.025	0.1	1.0	70
ZMM55-C6V2-LFR	5.8-6.6	5	10	200	+0.035	0.1	2.0	64
ZMM55-C6V8-LFR	6.4-7.2	5	8	150	+0.045	0.1	3.0	58
ZMM55-C7V5-LFR	7.0-7.9	5	7	50	+0.050	0.1	5.0	53
ZMM55-C8V2-LFR	7.7-8.7	5	7	50	+0.050	0.1	6.0	47
ZMM55-C9V1-LFR	8.5-9.6	5	10	50	+0.060	0.1	7.0	43
ZMM55-C10-LFR	9.4-10.6	5	15	70	+0.070	0.1	7.5	40
ZMM55-C11-LFR	10.4-11.6	5	20	70	+0.070	0.1	8.5	36
ZMM55-C12-LFR	11.4-12.7	5	20	90	+0.070	0.1	9.0	32
ZMM55-C13-LFR	12.4-14.1	5	26	110	+0.070	0.1	10	29
ZMM55-C15-LFR	13.8-15.6	5	30	110	+0.070	0.1	11	27
ZMM55-C16-LFR	15.3-17.1	5	40	170	+0.070	0.1	12	24
ZMM55-C18-LFR	16.8-19.1	5	50	170	+0.070	0.1	14	21
ZMM55-C20-LFR	18.8-21.2	5	55	220	+0.070	0.1	15	20
ZMM55-C22-LFR	20.8-23.3	5	55	220	+0.070	0.1	17	18
ZMM55-C24-LFR	22.8-25.6	5	80	220	+0.080	0.1	18	16
ZMM55-C27-LFR	25.1-28.9	5	80	220	+0.080	0.1	20	14
ZMM55-C30-LFR	28-32	5	80	220	+0.080	0.1	22	13
ZMM55-C33-LFR	31-35	5	80	220	+0.080	0.1	24	12
ZMM55-C36-LFR	34-38	5	80	220	+0.080	0.1	27	11

NOTE: MEASURED WITH PULSES T_p=20m SEC

STANDARD VOLTAGE TOLERANCE IS±5%AND

SUFFIX "A" FOR±1%, SUFFIX "B" FOR±2%, SUFFIX "C" FOR±5%, SUFFIX "D" FOR±20%

RATINGS AND CHARACTERISTIC CURVES ZMM55-C2V4-LFR THRU ZMM55-C36-LFR

FIG.1- BREAKDOWN CHARACTERISTICS

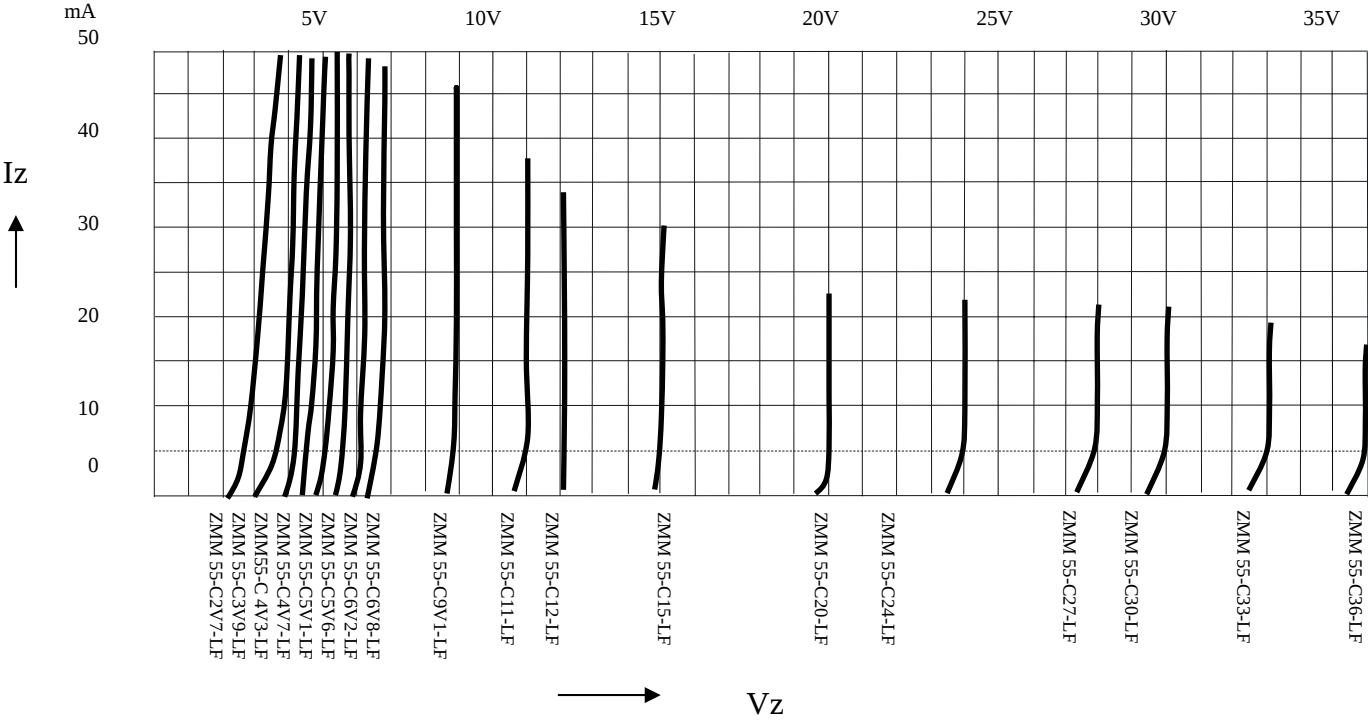


FIG.2- POWER, TEMPERATURE DERATING CURVE

