

MMZJ Series

P_D : 500 mW

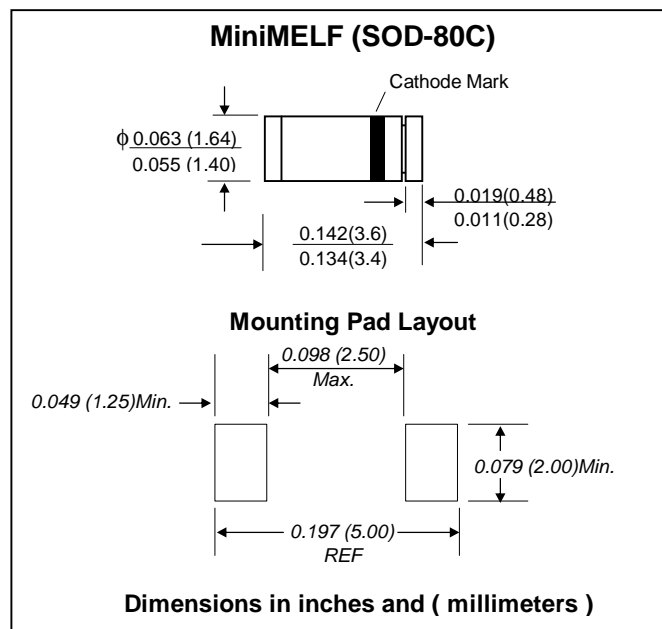
FEATURES :

- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * Pb / RoHS Free

MECHANICAL DATA :

- * Case : MiniMELF Glass Case (SOD-80C)
- * Weight : 0.05 gram (approximately)

ZENER DIODES



MAXIMUM RATINGS

Rating at 25 °C ambient temperature unless otherwise specified

Parameter	Symbol	Value	Unit
Power Dissipation	P_D	500	mW
Junction Temperature	T_j	175	°C
Storage Temperature Range	T_{stg}	- 65 to + 150	°C

ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified

Type	Zener Voltage $V_Z @ I_{ZT}$												Test Current	Maximum Zener Impedance			Maximum Reverse Current		
	Suffix A			Suffix B			Suffix C			Suffix D				I_{ZT} (mA)	$Z_{ZT} @ I_{ZT}$ (W)	$Z_{Zk} @ I_{Zk}$ (W)	I_{Zk} (mA)	$I_R @ V_R$ (mA)	V_R (V)
	Min. (V)	Nom. (V)	Max. (V)	Min. (V)	Nom. (V)	Max. (V)	Min. (V)	Nom. (V)	Max. (V)	Min. (V)	Nom. (V)	Max. (V)							
MMZJ2.0	1.89	2.00	2.11	2.02	2.11	2.20	-	-	-	-	-	-	5	100	1000	0.5	120	0.5	
MMZJ2.2	2.11	2.20	2.29	2.22	2.32	2.42	-	-	-	-	-	-	5	100	1000	0.5	120	0.7	
MMZJ2.4	2.34	2.44	2.54	2.43	2.53	2.63	-	-	-	-	-	-	5	100	1000	0.5	120	1	
MMZJ2.7	2.54	2.65	2.76	2.69	2.8	2.91	-	-	-	-	-	-	5	100	1000	0.5	100	1	
MMZJ3.0	2.85	2.96	3.07	3.01	3.12	3.23	-	-	-	-	-	-	5	120	1000	0.5	50	1	
MMZJ3.3	3.16	3.27	3.38	3.32	3.43	3.54	-	-	-	-	-	-	5	120	1000	0.5	20	1	
MMZJ3.6	3.45	3.58	3.70	3.60	3.72	3.845	-	-	-	-	-	-	5	100	1000	1.0	10	1	
MMZJ3.9	3.74	3.88	4.01	3.89	4.03	4.16	-	-	-	-	-	-	5	100	1000	1.0	5	1	
MMZJ4.3	4.04	4.17	4.29	4.17	4.30	4.43	-	-	-	-	-	-	5	100	1000	1.0	5	1	
MMZJ4.7	4.44	4.56	4.67	4.55	4.68	4.80	-	-	-	-	-	-	5	80	900	0.5	5	1	
MMZJ5.1	4.81	4.94	5.06	4.94	5.07	5.20	5.08	5.23	5.37	-	-	-	5	70	1200	1.0	5	1.5	
MMZJ5.6	5.11	5.42	5.55	5.45	5.59	5.72	5.61	5.76	5.90	-	-	-	5	40	900	1.0	5	2.5	
MMZJ6.2	5.78	5.94	6.09	5.96	6.12	6.27	6.12	6.28	6.43	-	-	-	5	30	500	1.0	5	3	
MMZJ6.8	6.33	6.46	6.62	6.49	6.66	6.82	6.66	6.84	7.01	-	-	-	5	20	150	0.5	2	3.5	
MMZJ7.5	6.85	7.04	7.22	7.07	7.26	7.44	7.29	7.48	7.66	-	-	-	5	20	120	0.5	0.5	4	
MMZJ8.2	7.53	7.73	7.92	7.79	8.00	8.20	8.03	8.24	8.44	-	-	-	5	20	120	0.5	0.5	5	
MMZJ9.1	8.28	8.51	8.73	8.57	8.79	9.00	8.83	9.07	9.30	-	-	-	5	20	120	0.5	0.5	6	
MMZJ10	9.13	9.36	9.59	9.41	9.66	9.90	9.70	9.95	10.19	9.94	10.20	10.45	5	20	120	0.5	0.2	7	
MMZJ11	10.14	10.40	10.66	10.53	10.80	11.07	10.82	11.10	11.37	-	-	-	5	20	120	0.5	0.2	8	
MMZJ12	11.11	11.40	11.68	11.40	11.70	11.99	11.70	12.00	12.30	-	-	-	5	25	110	0.5	0.2	9	
MMZJ13	12.07	12.40	12.72	12.56	12.90	13.23	12.96	13.30	13.63	-	-	-	5	25	110	0.5	0.2	10	
MMZJ15	13.45	13.80	14.14	13.92	14.30	14.67	14.33	14.70	15.06	-	-	-	5	25	110	0.5	0.2	11	
MMZJ16	14.82	15.20	15.58	15.21	15.60	15.99	15.69	16.10	16.50	-	-	-	5	25	150	0.5	0.2	12	
MMZJ18	16.19	16.60	17.02	16.87	17.30	17.73	17.39	17.80	18.21	-	-	-	5	30	150	0.5	0.2	13	
MMZJ20	18.04	18.50	18.96	18.62	19.10	19.58	19.21	19.70	20.19	19.70	20.20	20.71	5	30	200	0.5	0.2	15	
MMZJ22	20.18	20.70	21.22	20.67	21.20	21.73	21.06	21.60	22.14	21.55	22.10	22.65	5	30	200	0.5	0.2	17	
MMZJ24	22.04	22.60	23.17	22.62	23.20	23.78	23.11	23.70	24.29	23.60	24.20	24.81	5	35	200	0.5	0.2	19	
MMZJ27	24.28	24.90	25.52	24.96	25.60	26.24	26.33	27.00	27.68	26.54	27.00	27.46	5	45	250	0.5	0.2	21	
MMZJ30	27.01	27.70	28.39	27.69	28.40	29.11	28.37	29.10	29.83	29.06	29.80	30.55	5	55	250	0.5	0.2	23	
MMZJ33	29.64	30.40	31.16	30.32	31.10	31.88	30.91	31.70	32.49	31.49	32.30	33.11	5	65	250	0.5	0.2	25	
MMZJ36	32.18	33.00	33.83	32.76	33.60	34.44	33.44	34.30	35.16	34.03	34.90	35.77	5	75	250	0.5	0.2	27	
MMZJ39	34.71	35.60	36.49	35.47	36.30	37.13	35.98	36.90	37.82	36.66	37.60	38.54	5	85	250	0.5	0.2	30	

Note : 1. The Zener voltage is measured 40ms after power is supplied.