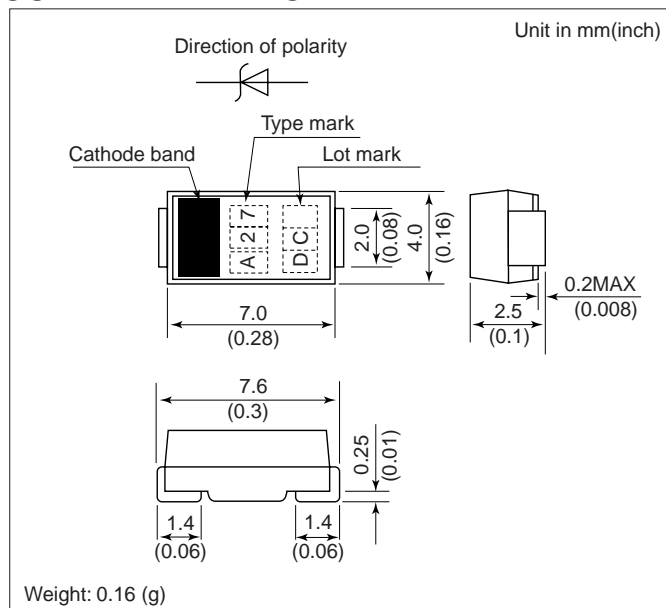


DAM3MA

FEATURES

- High transient reverse power capability suitable for protecting automobile electronic components etc.
- High heat-resistant due to glass passivation.

OUTLINE DRAWING



ABSOLUTE MAXIMUM RATINGS

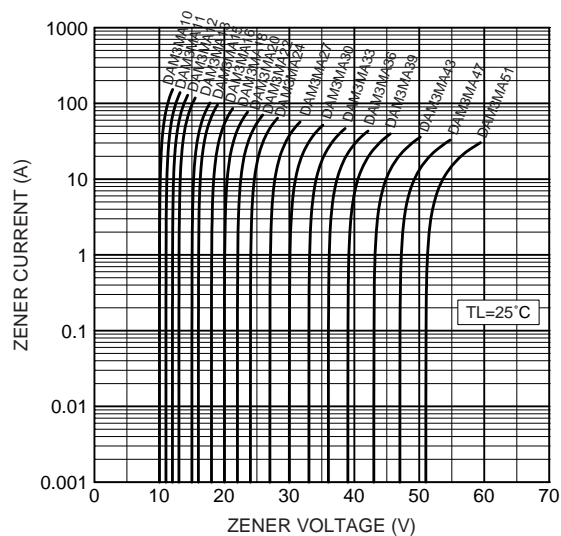
Items	Symbols	Units	Ratings
Non-Repetitive Peak Reverse One-Cycle Dissipation	P_{RSM}	W	1800 (Rectangular pulse $t=0.1\text{ms}$ $T_j=25^\circ\text{C}$ start)
Operating Junction Temperature	T_j	$^\circ\text{C}$	-40 ~ +150
Storage Temperature	T_{stg}	$^\circ\text{C}$	-40 ~ +150
DC Reverse Voltage	V_{DC}	V	Refer to characteristics column

CHARACTERISTICS($T_L=25^\circ\text{C}$)

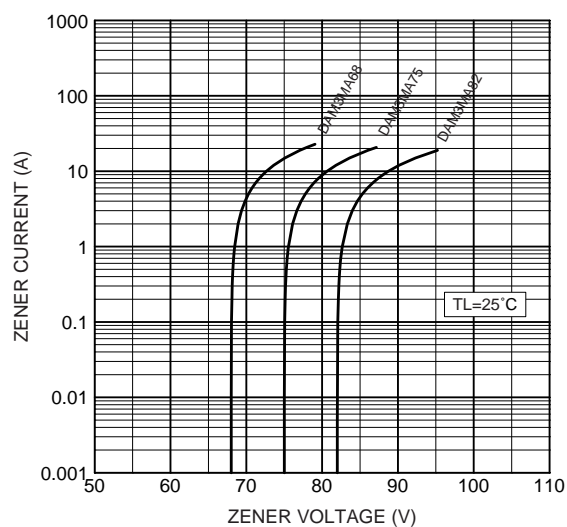
Type	DC Reverse Voltage V_{DC} (V)	Characteristics				Maximum Reverse Current	
		Zener Voltage V_z (V)		Maximum Dynamic Impedance Z_z (ohm)	Test Current I_z (mA)	I_{RRM} (μA)	V_R (V)
		Minimum	Maximum				
DAM3MA10	7	9.4	10.6	15	75	10	7
DAM3MA11	8	10.4	11.6	15	75	10	8
DAM3MA12	9	11.4	12.7	15	75	10	9
DAM3MA13	10	12.4	14.1	15	75	10	10
DAM3MA15	11	13.5	15.6	15	75	10	11
DAM3MA16	12	15.3	17.1	15	75	10	12
DAM3MA18	13	16.8	19.1	15	45	10	13
DAM3MA20	14	18.8	21.2	15	45	10	14
DAM3MA22	16	20.8	23.3	15	45	10	16
DAM3MA24	18	22.7	25.6	15	30	10	18
DAM3MA27	20	25.1	28.9	15	30	10	20
DAM3MA30	22	28.0	32.0	15	30	10	22
DAM3MA33	24	31.0	35.0	15	30	10	24
DAM3MA36	26	33.4	38.6	15	30	10	26
DAM3MA39	28	36.1	41.9	30	20	10	28
DAM3MA43	31	39.8	46.2	30	20	10	31
DAM3MA47	34	43.3	50.7	30	20	10	34
DAM3MA51	37	46.9	55.1	30	20	10	37
DAM3MA68	49	61.2	74.8	60	10	5	55
DAM3MA75	54	67.5	82.5	60	10	5	61
DAM3MA82	59	73.8	90.2	60	10	5	66

DAM3MA

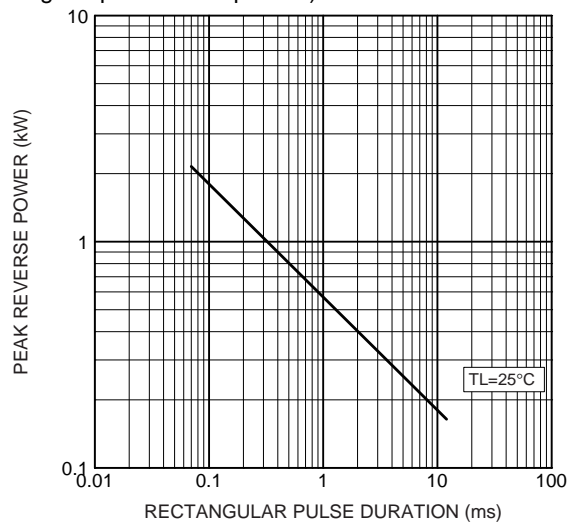
Typical zener characteristics (Vz:10~51V)



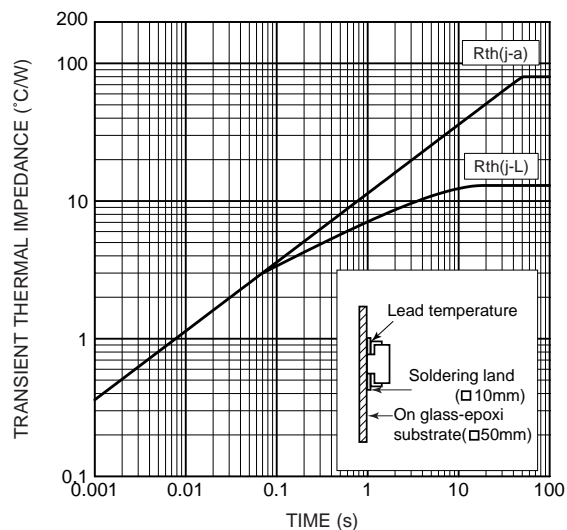
Typical zener characteristics (Vz:68~82V)



Typical reverse power characteristic
(Rectangular pulse non-repetitive)



Transient thermal impedance



HITACHI POWER SEMICONDUCTORS

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