

ZENER DIODE

RD6.2Z

ZENER DIODE 200 mW ESD PROTECTION (5 V Signal Line) MINI MOLD

DESCRIPTION

Type RD6.2Z is planar type zener diode possessing an allowable power dissipation of 200 mW.

The purpose is ESD PROTECTION of 5 V Signal Line.

FEATURES

- Low Terminal Capacitance (8 pF TYP.) for ESD protection
- · Surge absorber on either side

APPLICATIONS

- ESD protect circuit of 5 V Signal Line.
- Constant Voltage, Constant Current, etc.

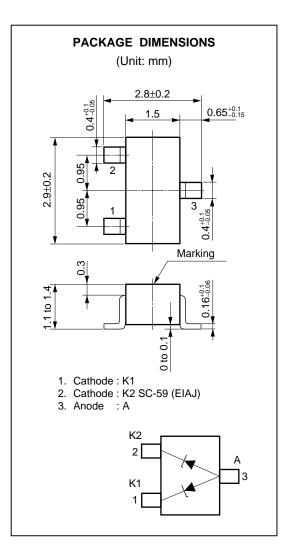
MAXIMUM RATINGS $(T_A = 25^{\circ}C)$

Power Dissipation P 200 mW (Total)

Surge Reverse Power PRSM 2 W (t = 10 μ s, 1 pulse) Fig.5

Junction Temperature T_j 150°C

Storage Temperature T_{stg} -55°C to +150°C



ELECTRICAL CHARACTERISTICS $(T_A = 25 \pm 2^{\circ}C)$

Type Number	Zener Voltage Vz (V) ^{Note 1}			Dynamic Impedance Zz (Ω) ^{Note 2}		Reverse Current I _R (μA)		Terminal Capacitance Ct (pF), f = 1 MHz	
	MIN.	MAX.	Iz (mA)	MAX.	Iz (mA)	MAX.	V _R (V)	TYP.	V _R (V)
RD6.2Z	5.9	6.5	5	60	5	3	5.5	8	0

Note 1. Tested with pulse (40 ms)

2. Zz is measured at Iz given a very small A.C. signal

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Not all devices/types available in every country. Please check with local NEC representative for availability and additional information.



TYPICAL CHARACTERISTICS (T_A = 25°C)

Fig. 1 P-TA RATING

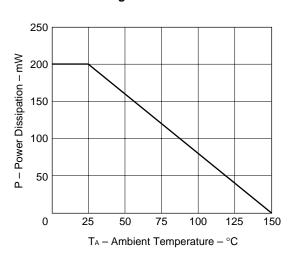


Fig. 3 $C_{t-}V_R$ CHARACTERISTICS (f = 1 MHz)

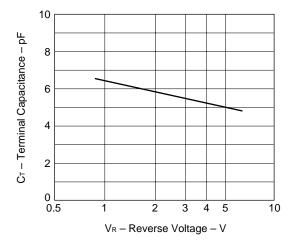


Fig. 2 Iz-Vz CHARACTERISTICS

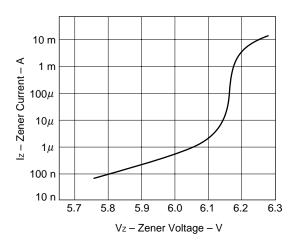


Fig. 4 TRANSIENT THERMAL IMPEDANCE CHARACTERISTICS $(7.5\times 10\times 0.675~mm~ceramics)$

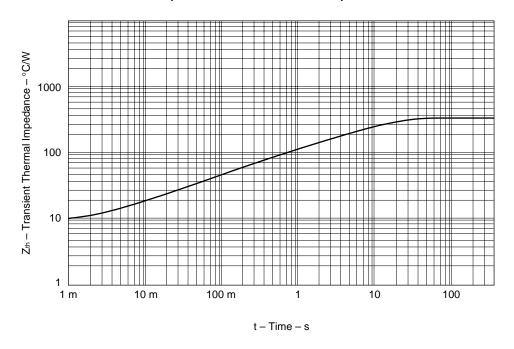
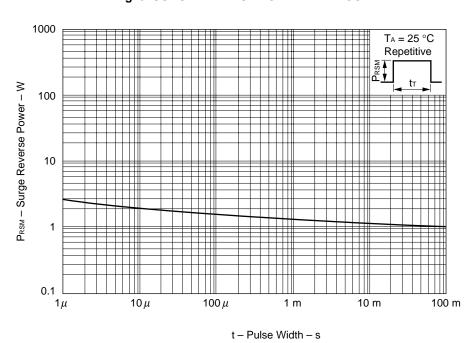


Fig. 5 SURGE REVERSE POWER RATINGS



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