

5Z27,5Z30

POWER SURGE SUPPRESSOR

- - - designed for use as a reverse power transient suppressor to protect automotive electrical equipments from over-voltage conditions.

- Excellent Clamp Voltage Characteristics
- High Power Capability
- Rapidly Surge Absorption
- Excellent Surge Responsibility
- Various Lead Types
- Non-Standard Voltage Available

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Allowable Power Dissipation (Note 1)	P	5	W
Non-Repetitive Peak Reverse Surge Current (Ta=25°C) (Fig.1)	I_{RSM}	62	A
Junction Temperature	T_j	-40~150	°C
Storage Temperature	T_{stg}	-40~150	°C

Note 1: Lead tip temperature
 $T_L=25^\circ\text{C}$

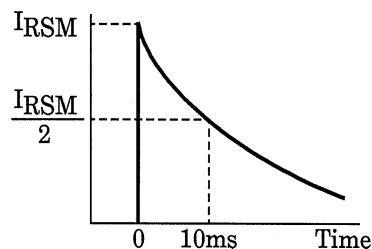


Fig.1

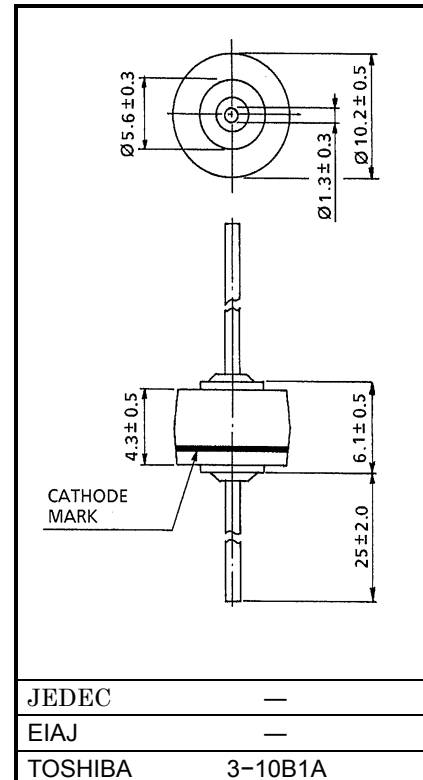
ELECTRICAL CHARACTERISTICS (Ta=25°C)

TYPE	ZENER VOLTAGE V_Z (V) ($I_Z=10\text{mA}$)			ZENER IMPEDANCE r_d (Ω) ($I_Z=10\text{mA}$)	TEMPERATURE COEFFICIENT α_T (mV / °C) ($I_Z=10\text{mA}$)		FORWARD VOLTAGE V_F (V) ($I_F=6\text{A}$)	REVERSE CURRENT I_R (μA) ($V_R=22\text{V}$)
	MIN.	TYP.	MAX.	MAX.	TYP.	MAX.	MAX.	MAX.
5Z27	24	27	30	30	23	36	1.2	10
5Z30	27	30	33	30	25	40	1.2	10

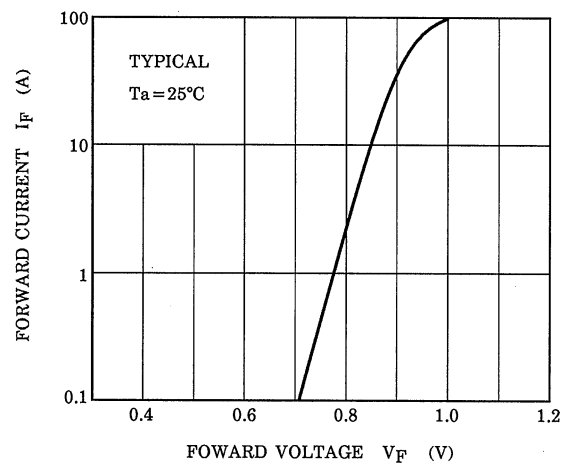
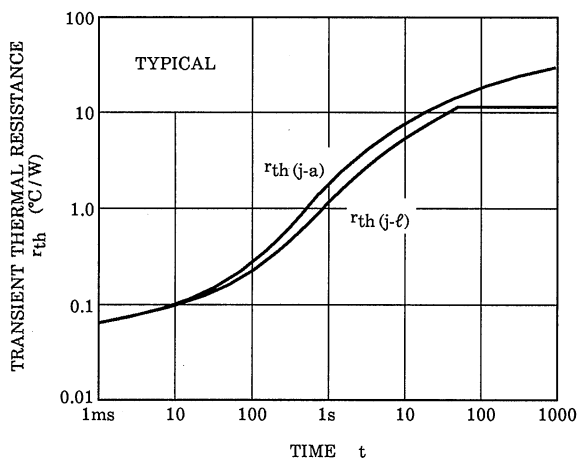
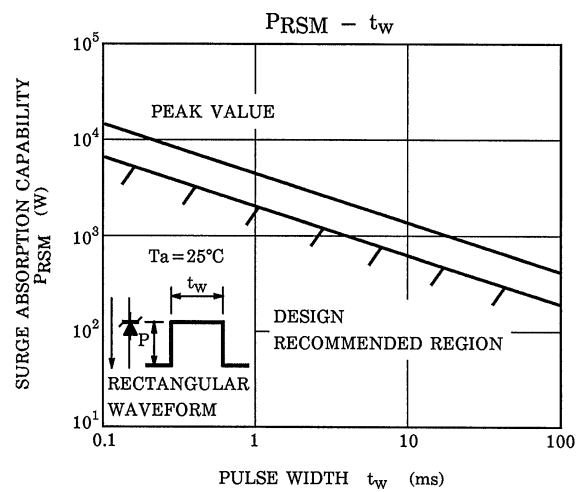
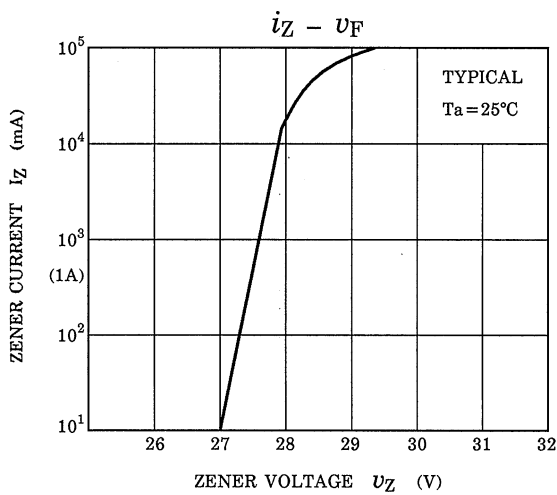
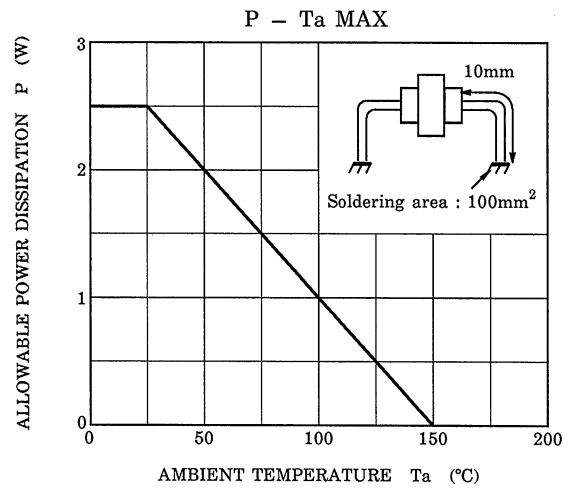
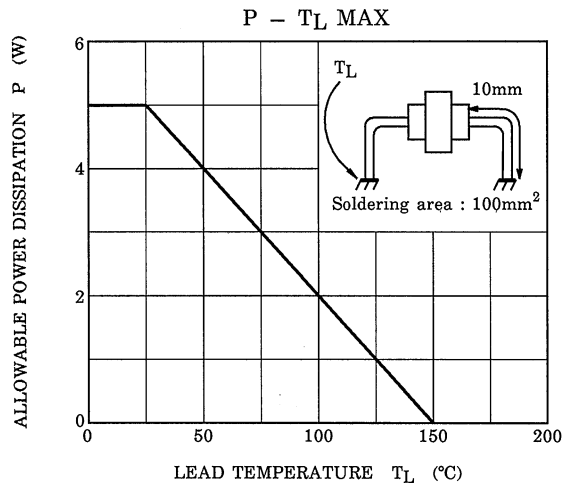
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Unit: mm



Weight: 2.7 g



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