

# 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 <sub>RSM</sub>	62	A
Junction Temperature	T <sub>j</sub>	-40~150	°C
Storage Temperature	T <sub>stg</sub>	-40~150	°C

Note 1: Lead tip temperature  
T<sub>L</sub>=25°C

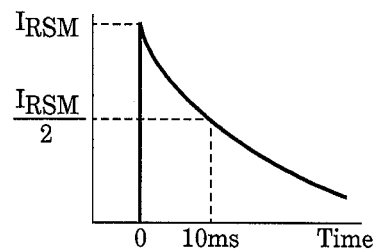
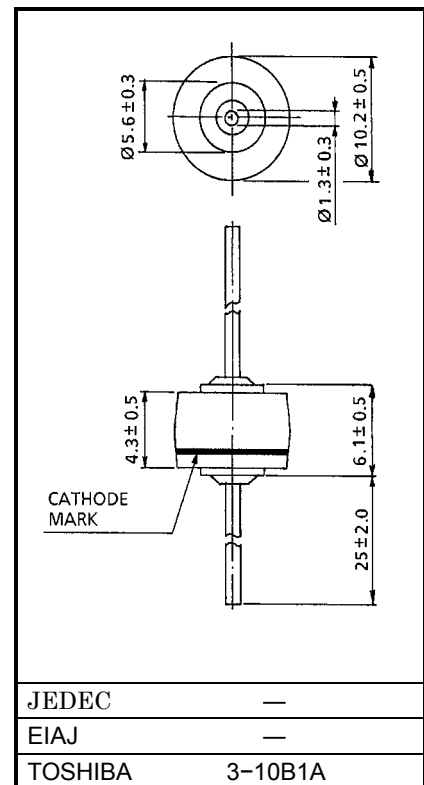


Fig.1

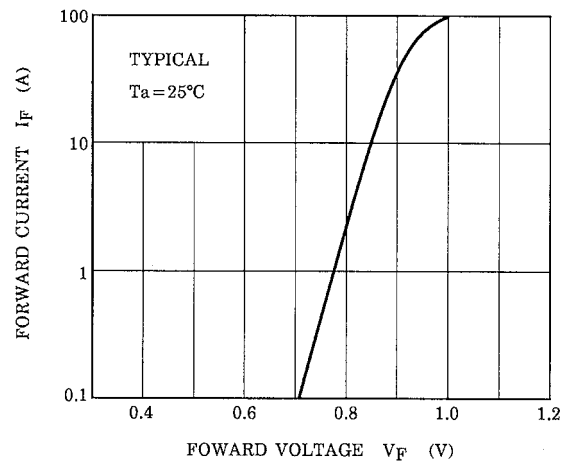
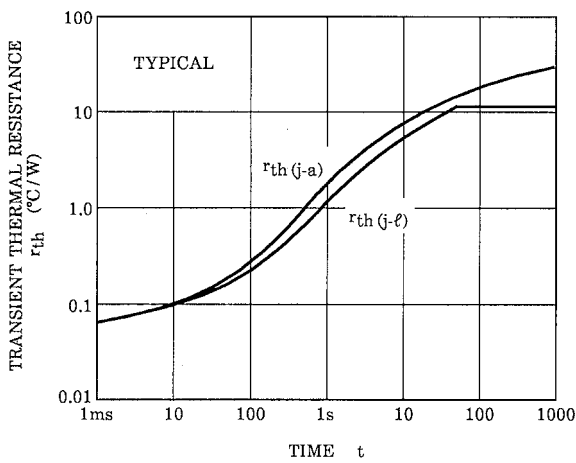
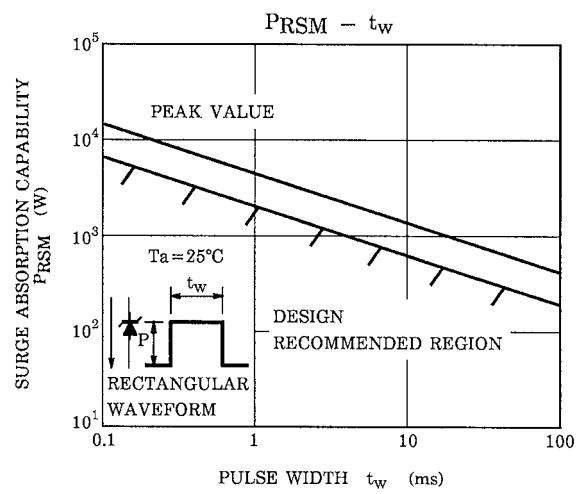
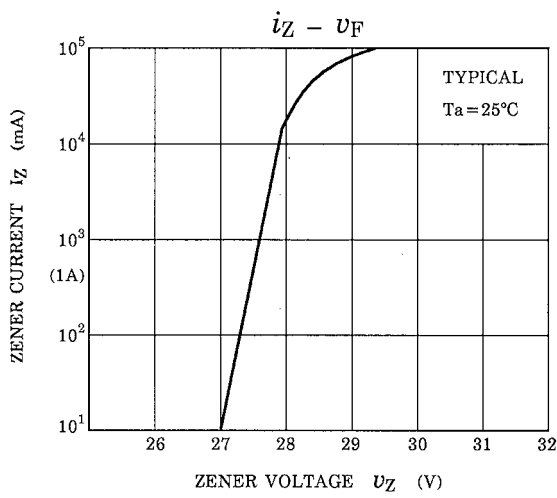
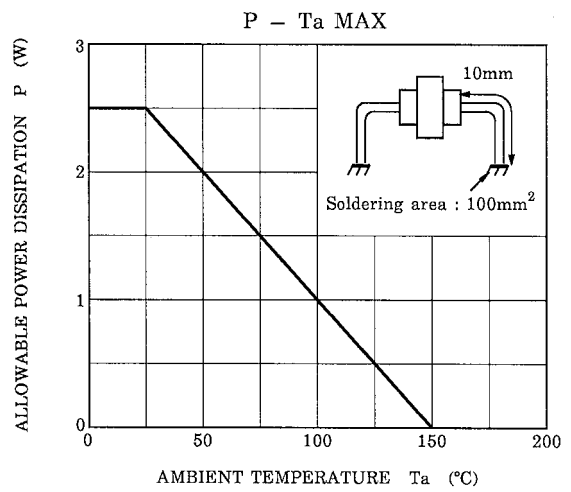
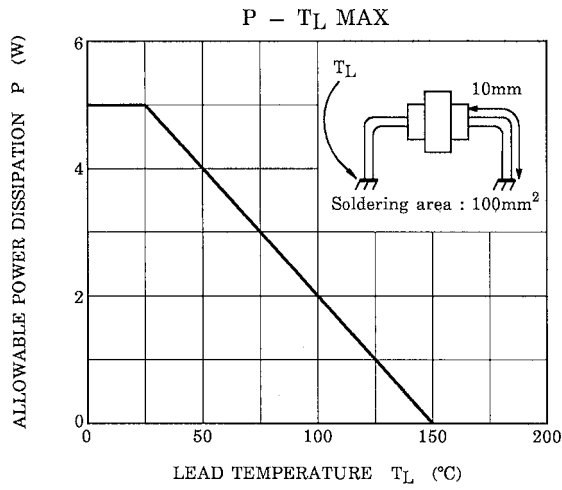
## ELECTRICAL CHARACTERISTICS (Ta=25°C)

TYPE	ZENER VOLTAGE V <sub>Z</sub> (V) (I <sub>Z</sub> =10mA)			ZENER IMPEDANCE r <sub>d</sub> (Ω) (I <sub>Z</sub> =10mA)	TEMPERATURE COEFFICIENT α <sub>T</sub> (mV / °C) (I <sub>Z</sub> =10mA)		FORWARD VOLTAGE V <sub>F</sub> (V) (I <sub>F</sub> =6A)	REVERSE CURRENT I <sub>R</sub> (μA) (V <sub>R</sub> =22V)
	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

Unit: mm



Weight: 2.7 g



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