TOSHIBA ZENER DIODE SILICON DIFFUSED JUNCTION

5Z27,5Z30

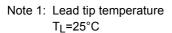
POWER SURGE SUPPRESSOR

- - - 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)	Р	5	W
Non-Repetitive Peak Reverse Surge Current (Ta=25°C) (Fig.1)	I _{RSM}	62	А
Junction Temperature	Tj	-40~150	°C
Storage Temperature	T _{stg}	-40~150	°C



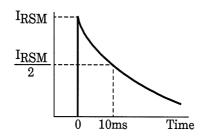
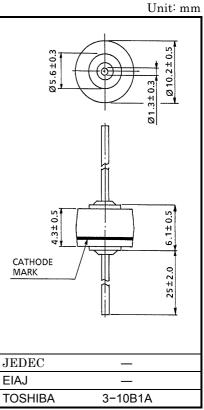


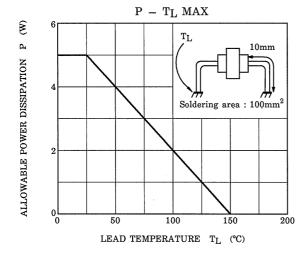
Fig.1

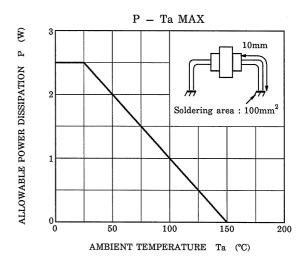
ELECTRICAL CHARACTERISTICS (Ta=25°C)

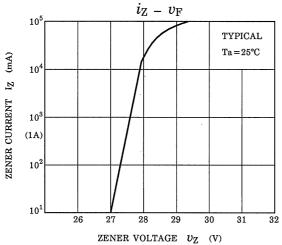
TYPE	ZENER VOLTAGE VZ (V) (I _Z =10mA)		ZENER	TEMPERATURE		FORWARD	REVERSE	
			IMPEDANCE	COEFFICIENT		VOLTAGE	CURRENT	
			r _d (Ω)	αŢ (mV / °C)		VF (V)	IR (µA)	
			(I _Z =10mA)	(I _Z =10mA)		(I _F =6A)	(V _R =22V)	
	MIN.	TYP.	MAX.	MAX.	TYP.	MAX.	MAX.	MAX.
5Z27	24	27	30	30	23	36	1.2	10
5Z30	27	30	33	30	25	40	1.2	10

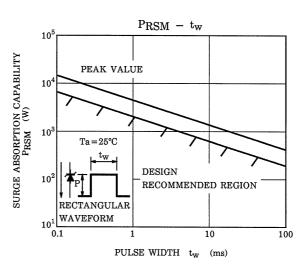


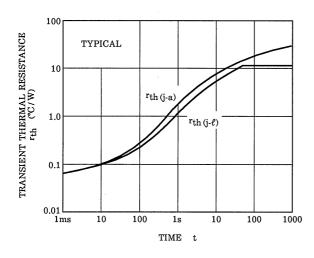
Weight: 2.7 g

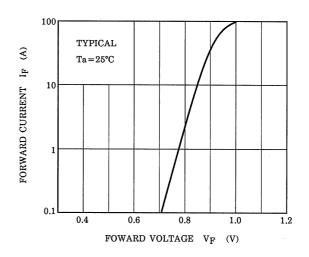












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