

**GLASS PASSIVATED
LOW CAPACITANCE
TRANSIENT VOLTAGE SUPPRESSORS**

PEAK PULSE POWER 200 WATTS

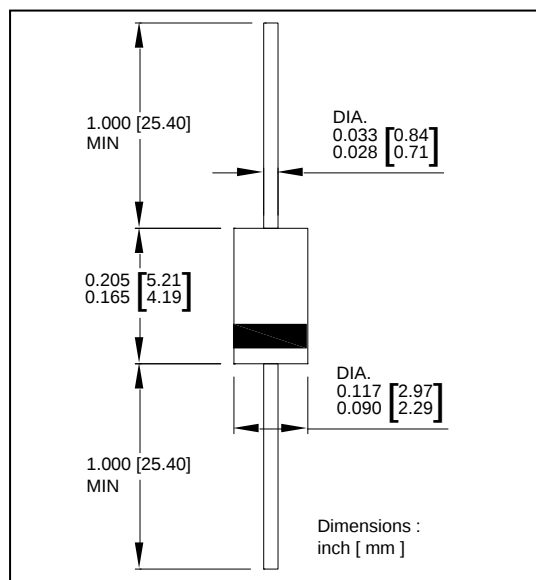
FEATURES

- Glass passivated chip
- 200 W peak pulse power capability with a 10/1000 μ s waveform, repetitive rate (duty cycle):0.01 %
- Low incremental surge resistance
- Very fast response time
- Excellent clamping capability
- Pb-free plated

MECHANICAL DATA

- Case: DO-41 molded plastic over a passivated junction
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-750, method 2026 guaranteed
- Polarity: Color band denotes TVS cathode end
- Mounting position: Any

DO-41



RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specif

Parameter	Symbol	ZD	DI	UNIT
Peak power dissipation with a 10/1000 μ s waveform	P _{PPM}	200	–	Watts
Maximum Reverse Voltage	V _{RM}	170	600	V
Peak Surge Reverse Current	I _{RSM}	0.7	–	A
Movement Start Voltage	V _{BR}	185-215	–	V
Maximum Restriction Voltage @ I _{PP} =0.75A	V _{CL}	300	–	V
Maximum Leak Current	I _R	5		μ A
Reverse Recovery Time	T _{rr}	–	<500	ns
Operating junction and storage temperature range	T _J , T _{STG}	–55~150		°C
Power Dissipation on Infinite Heat Sink at T _L =50°C	P _D	1	–	Watts

Low Capacitance Series

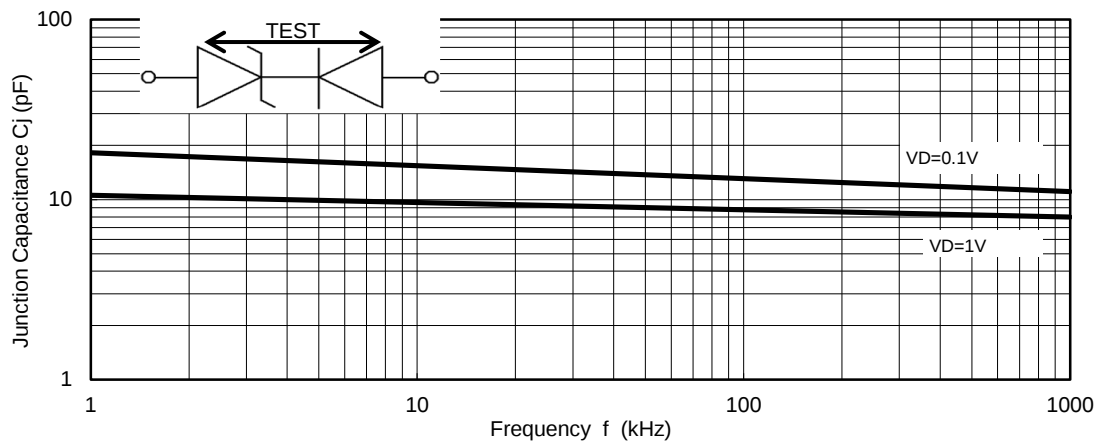


Fig.1 - Junction Capacitance

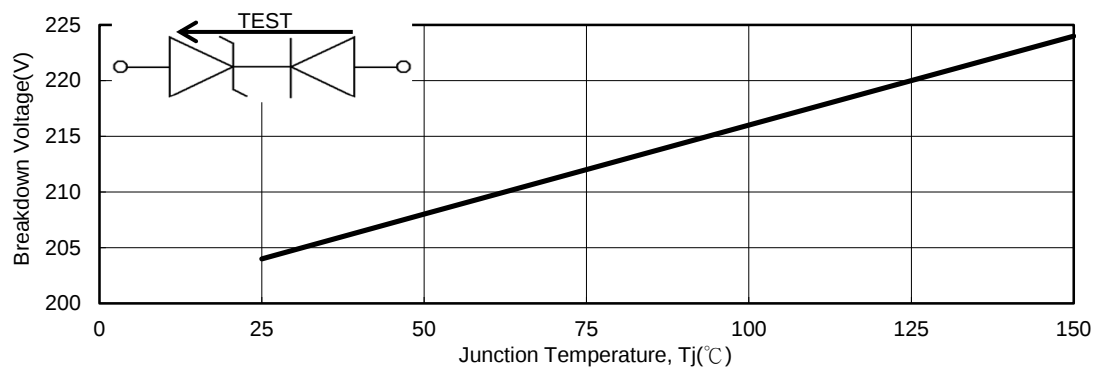


Fig.2 - Breakdown Voltage

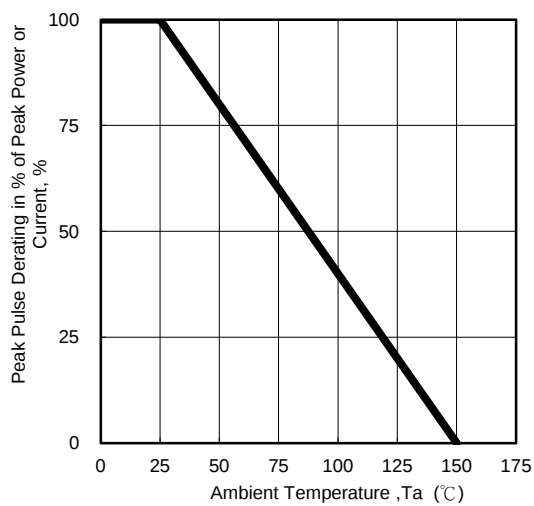


Fig.3 - Pulse Derating Curve

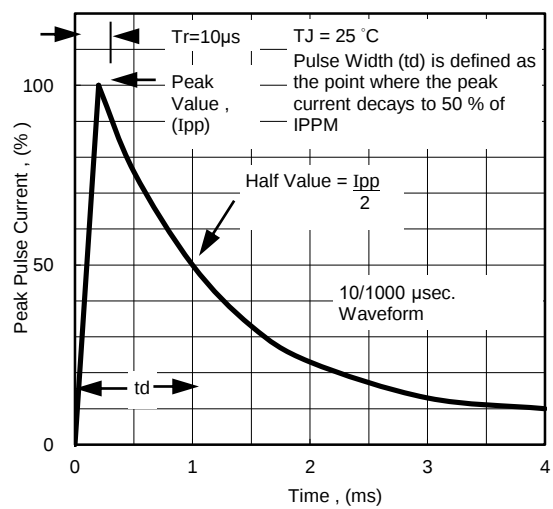


Fig.4 - Pulse Waveform