

# PZ628

**V<sub>BR</sub> : 20 Volts**  
**I<sub>o</sub> : 5 Amperes**

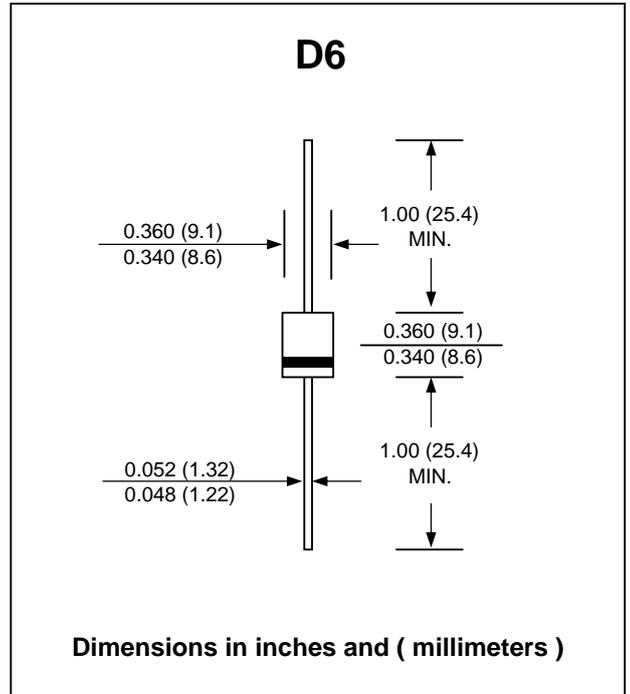
**FEATURES :**

- \* Avalanche Voltage 22 to 32 Volts
- \* High Power capability
- \* Increased Capacity by Parallel Operation
- \* **Pb / RoHS Free**

**MECHANICAL DATA**

- \* Case : Void-free molded plastic body
- \* Epoxy : UL94V-O rate flame retardant
- \* Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- \* Polarity : Color band denotes cathode end
- \* Mounting position : Any
- \* Weight : 2.1 grams

## TRANSIENT VOLTAGE SUPPRESSORS



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25 °C ambient temperature unless otherwise specified.  
 Single phase, half wave, 60 Hz, resistive or inductive load.  
 For capacitive load, derate current by 20%.

RATING	SYMBOL	VALUE	UNIT
Maximum DC Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	20	V
Maximum Working Peak Reverse Voltage	V <sub>RWM</sub>	20	V
Maximum DC Blocking Voltage	V <sub>R</sub>	20	V
Maximum Breakdown Voltage ( I <sub>k</sub> = 1 mA )	V <sub>BR(max)</sub>	32	V
Minimum Breakdown Voltage ( I <sub>k</sub> = 1 mA )	V <sub>BR(min)</sub>	22	V
Maximum Repetitive Peak Reverse Surge Current ( Time Constant = 10 ms, Rectangular wave , Single-shot )	I <sub>RSM</sub>	65	A
Maximum Instantaneous Forward Voltage ( I <sub>F</sub> = 5 A )	V <sub>F</sub>	0.95	V
Maximum Reverse Current ( V <sub>R</sub> = 20 Volts )	I <sub>R</sub>	0.5	mA
Junction Temperature Range	T <sub>J</sub>	- 40 to + 150	°C
Storage Temperature Range	T <sub>STG</sub>	- 40 to + 150	°C