

# STPA62 THRU STPA270

## SOLID STATE TELECOMMUNICATION PROTECTION ARRESTOR

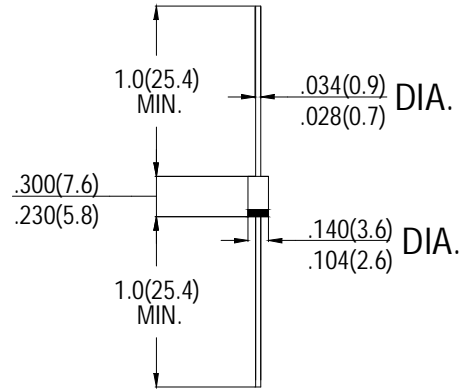
### FEATURES

- Bidirectional Crowbar Protection
- Breakdown Voltage Range 62~270V
- Holding Current  $I_H=150\text{mA}$
- Peak Pulse Current  $I_{PP}=50\text{A}$  (10/700  $\mu\text{s}$ )
- Fast Response Time

### MECHANICAL DATA

- **Case:** Molded plastic
- **Epoxy:** UL94V-0 rate flame retardant
- **Lead:** MIL-STD- 202E, Method 208 guaranteed
- **Mounting position:** Any
- **Weight:** 0.38 grams

### DO-15



Dimensions in inches and (millimeters)

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOL	STPA 62	STPA 150	STPA 180	STPA 200	STPA 220	STPA 240	STPA 270	units
Maximum Breakdown Voltage ( $I_R=1\text{ mA}$ )	$V_{BR}$	62	150	180	200	220	240	270	V
Maximum Breakdown Voltage ( $I_{BO}=300\text{mA}$ )	$V_{BO}$	82	200	240	267	293	320	360	V
Maximum on-state Voltage ( $I_T=1\text{A}$ )	$V_T$	2	4	4	4	4	4	4	V
Maximum off-state Voltage ( $V_{RM}=0.9 \times V_{BR}$ )	$I_{RM}$	2							$\mu\text{A}$
Maximum Holding Current	$I_H$	150							mA
Maximum Peak pulse current (10/700 $\mu\text{s}$ )	$I_{PP}$	50							A
Maximum Surge Current (50Hz)	$I_{TSM}$	25							A
Typical Junction Capacitance (50V,1MHz)	C	150	70						pF

### ELECTRICAL CHARACTERISTICS

Symbol	Parameter
$V_{RM}$	Stand-off voltage
$V_{BR}$	Breakdown voltage
$V_{BO}$	Breakover voltage
$I_H$	Holding current
$V_T$	On-state voltage
$I_{BO}$	Breakover current
$I_{PP}$	Peak pulse current

