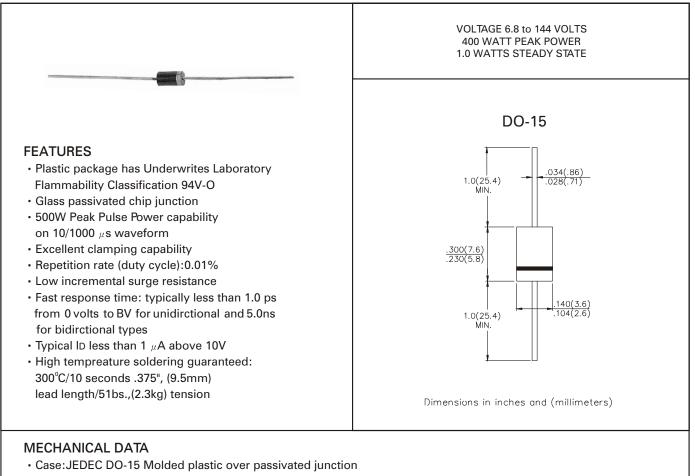
# SA5.0 thru SA170CA

## GLASS PASSIVATED JUNCTION TRAN-SIENT VOLTAGE SUPPRESSOR





- Terminals:Plated Axial leads, solderable per MIL-STD-750, Method 2026
- Polarity:Color band denotes positive end (cathode) except Bidirectionals types
- Mounting Position
- Weight: 0.015 ounce, 0.4 gram

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power Dissipation on 10/1000 $\mu s$ waveform (NOTE 1,2,Fig.1)	Рррм	Minimum 5000	Watts
Peak Pulse Current of on 10/1000 $\mu$ s waveform (NOTE 1,Fig.3)	РРМ	SEE TABLE 1	Amps
Steady Power Dissipation at TL=75°C Lead Lengths .375",(9.5mm)(NOTE 2)	PM(AVO	1.0	Watts
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Super- imposed on Rated Load, unidirrctional only (JEDEC Method)(NOTE 3)	Ifsm	70.0	Amps
Operating Junction and Storage Temperature Range	Tj, Tstg	-65 to + 175	°C

Notes: 1. Non-repetitive current pulse, per Fig.3 and derated above TA=25°C per Fig.2

2. Measured on copper Leaf area of 1.57 in  $^{2}$  (40mm  $^{2}) per Figure 5$ 

3. 8.3ms single half sine-wave or equivalent square wave, Duty Cycle=4 pulses per minutes maximum.

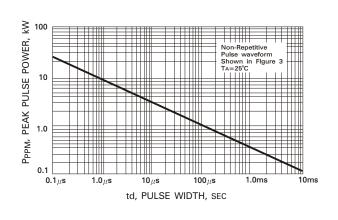
## SA5.0 thru SA170CA

### **GLASS PASSIVATED JUNCTION TRAN-**SIENT VOLTAGE SUPPRESSOR

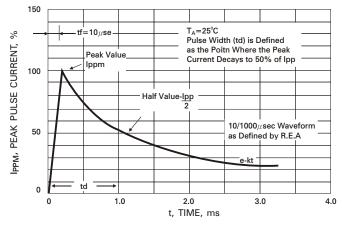


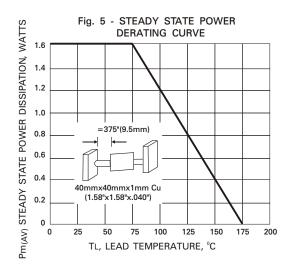
RATING AND CHARACTERISTICS CURVES SA5.0 THRU SA170CA

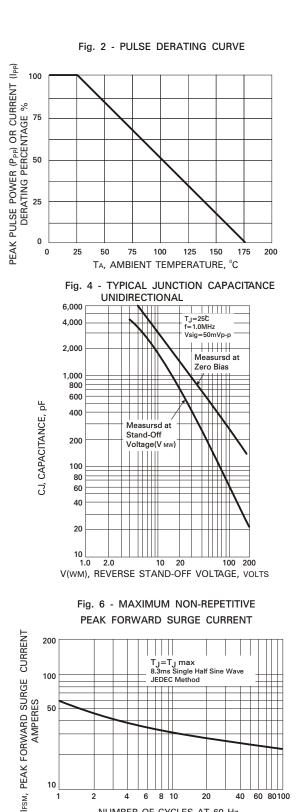
Fig. 1 - PEAK PULSE POWER VS PULSE TIME











8 10 NUMBER OF CYCLES AT 60 Hz

40

20

60 80100

10

1

2

4

6