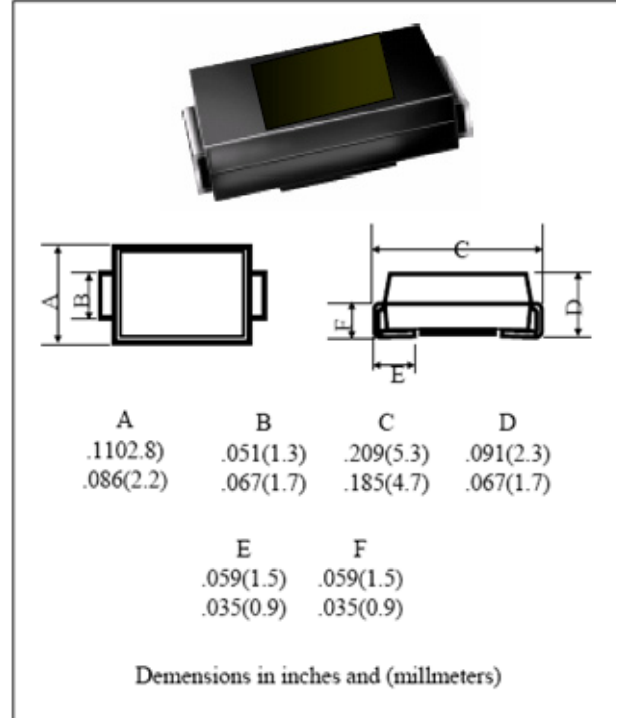




**FEATURES**

- ⊙ UL94V-0 Flammability Classification
- ⊙ ESD Protection >40 kilovolts
- ⊙ Low Capacitance for T1/E1 Trunk and Line Card Application
- ⊙ High Surge Current Capability (See Electrical Characteristics)
- ⊙ Peak Off-State Voltage from 58 to 300 volts
- ⊙ Meet IEC61000-4-4 & -5 Industry Requirement
- ⊙ Provides Protection in Accordance with FCC Part 68 ,UL1459,Bellcore 1089,ITU-TK. 20 & K. 21

**TWO TERMINAL THYRISTOR (3T) SURGE SUPPRESSOR**



**MECHANICAL DATA**

**Case:** JEDEC DO214AC. Molded plastic over glass passivated junction

**Terminal:** Solder plated, solderable per MIL-STD-750 ,Method 2026

**Standard Packaging:** 12mm tape (EIA STD RS-481)

**Weight:** 0.002 ounce, 0.061 gram

| 3T PART NUMBER | REPETITIVE PEAK OFF-STAGE VOLTAGE $V_{DRM}$ VOLTS | SWITCHING VOLTAGE @100V/us $V_s$ VOLTS | MINIMUM HOLDING CURRENT $dI/dt=1A/ms$ $I_H$ mA | SWITCHING CURRENT $I_s$ mA | SURGE RATINGS IPP $10^*1000 \mu S$ Amps | ON-STAGE CURRENT $I_T$ A | MAXIMUM CAPACITANC E @50V,1MHZ pF | MARKING CODE |
|----------------|---|--|--|----------------------------|---|--------------------------|-----------------------------------|--------------|
| 3T110AA        | 90  | 130                                    | 150  | 800                        | 35                                      | 1                        | 60                                | G4           |
| 3T130AA        | 120   | 160                                    | 150  | 800                        | 35                                      | 1                        | 40                                | G5           |
| 3T150AA        | 140   | 180                                    | 150  | 800                        | 35                                      | 1                        | 40                                | G6           |
| 3T180AA        | 160   | 220                                    | 150  | 800                        | 35                                      | 1                        | 40                                | G7           |
| 3T230AA        | 190   | 260                                    | 150  | 800                        | 35                                      | 1                        | 30                                | G8           |
| 3T260AA        | 220   | 300                                    | 150  | 800                        | 35                                      | 1                        | 30                                | G9           |
| 3T310AA        | 275   | 350                                    | 150  | 800                        | 35                                      | 1                        | 30                                | GA           |
| 3T350AA        | 300   | 400                                    | 150  | 800                        | 35                                      | 1                        | 30                                | GB           |
| 3T400AA        | 360   | 450                                    | 150  | 800                        | 35                                      | 1                        | 30                                | FZ           |

**Maximum Off-State Current @ $V_{DRM}$  : 5 $\mu$ A**

**Maximum On-State Voltage @ $I_T$  : 5volts**



RATINGS AND CHARACTERISTIC CURVES  
(TA=25°C unless otherwise noted)

Fig.1 Pulse Wave Form Example

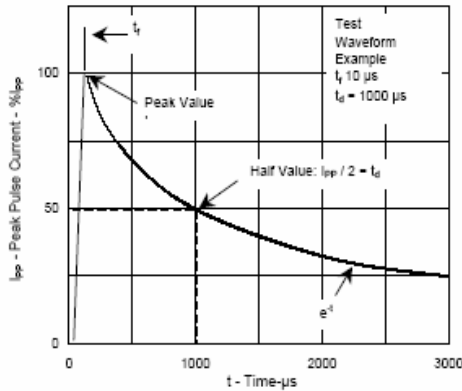


Fig.2 Typical Peak Off-State Current Vs Junction

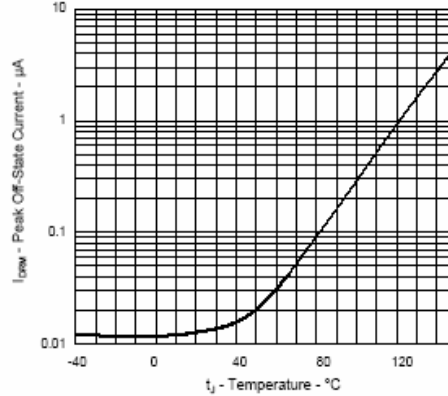


Fig.3 Typical On-State Current Vs On-State Voltage

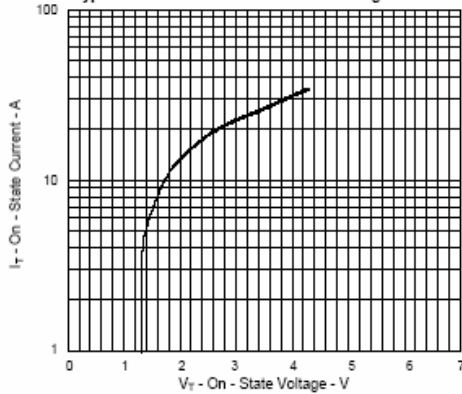


Fig.4 Typical Holding Current Vs Junction Temperature

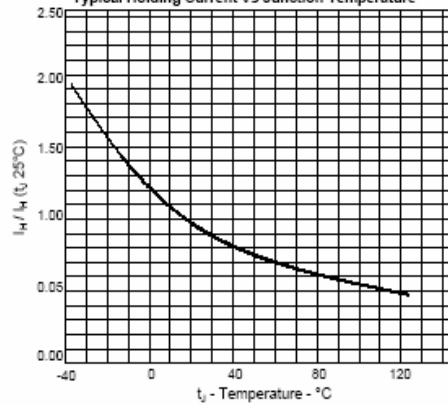


Fig.5 Typical normalized  $V_s$  Vs Junction Temperature

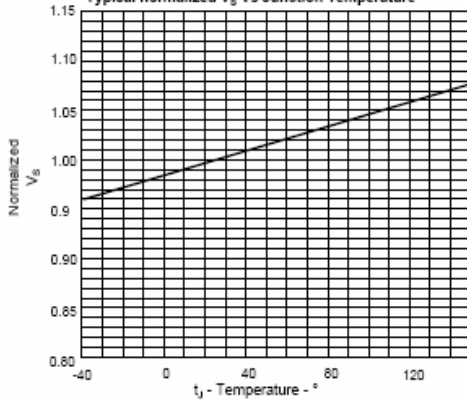


Fig.6 On-State Current Vs Surge Current

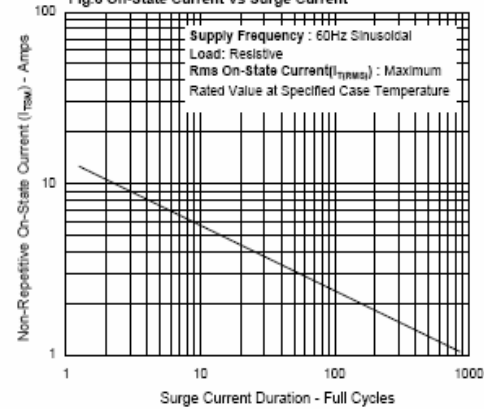
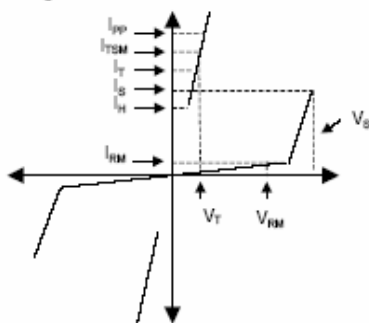


Fig.7 V - I Characteristics Curve





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