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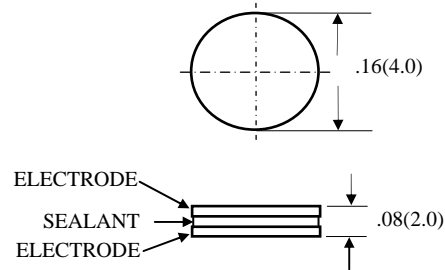
Web: <http://www.frontierusa.com>

SOLID STATE ARRESTER (190 – 400 VOLTS)

SSA230 THRU SSA330

FEATURES

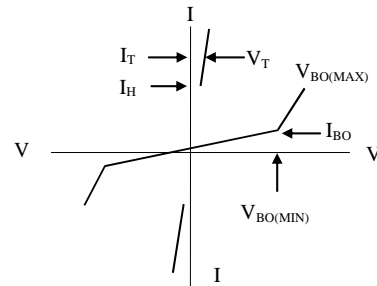
- SUPPRESSES LIGHTNING SURGE VOLTAGE
- EXTREMELY HIGH SPEED RESPONSE
- GLASS PASSIVATED JUNCTION
- PEAK PULSE CURRENT I_{pp} 100A (10/1000 μ S)



DIMENSIONS IN INCHES AND (MILLIMETERS)

APPLICATIONS

- CENTRAL OFFICE TELECOMMUNICATION INSTALLATIONS
- PBX, CUSTOMER PREMISES
- FAX MACHINES
- ANALOG AND DIGITAL LINECARDS
- MODEMS



ABSOLUTE MAXIMUM RATINGS, TA 25°C (UNLESS OTHERWISE NOTED)

RATINGS	SYMBOL	SSA230	SSA330	UNITS
REPETITIVE PEAK OFF-STATE VOLTAGE	V_{DRM}	170	235	V
NON-REPETITIVE PEAK ON-STATE PULSE CURRENT @ 10/1000 μ S PULSE	I_{PP}	100	100	Apk
NON-REPETITIVE PEAK ON-STATE CURRENT @ 50 / 60HZ RMS ONE FULL CYCLE	I_{TSM}	60	60	Apk

ELECTRICAL CHARACTERISTICS AT $T_A = 25^\circ\text{C}$ (UNLESS OTHERWISE NOTED)

BREAKOVER VOLTAGE @ 100kV/S	VBO	190 - 260	260 - 400	V
MAXIMUM OFF-STATE CURRENT @ V_{DRM}	I_{DRM}	10	10	μ A
MAXIMUM LEAKAGE CURRENT @ DC100V	I_R	0.1	0.1	μ A
MAXIMUM OFF-STATE CAPACITANCE @ 1 MHz 0.5VRMS, 0VDC	C_O	200	200	PF
MINIMUM REPETITIVE PEAK ON - STATE CURRENT @ RMS 1 SECOND 5 OPERATIONS	I_{TRM}	10	10	A _{RMS}

NOTE : SSA IS A SILICON BILATERAL VOLTAGE TRIGGERED DEVICE. WHILE THE APPLICATION VOLTAGE EXCEEDING THE DEVICE BREAKOVER VOLTAGE POINT, THE DEVICE SWITCHES ON TO A LOW ON-STATE VOLTAGE THRU A NEGATIVE RESISTANCE REGION. ON-STATE CONTINUES UNTIL CURRENT DROPS BELOW DEVICE HOLDING CURRENT LEVEL.