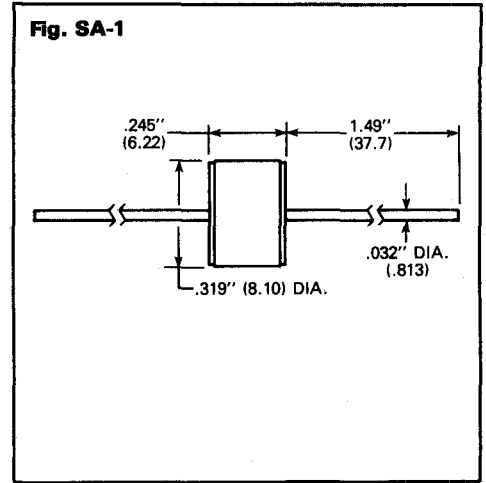


Surge Arresters (Gas Filled)

ECG Type	DC Breakdown Voltage			Impulse Breakdown @ (100 V/ μ s) Maximum Voltage	Maximum Capacitance Between Electrodes @ 1 MHz (pF)
	Nominal Voltage (VDC)	Min. Volts	Max. Volts		
ECG15040	75	60	90	400	1.0
ECG15041	90	72	108	400	1.0
ECG15042	110	88	132	450	1.0
ECG15043	145	116	174	500	1.0
ECG15044	230	195	265	600	1.0
ECG15045	300	255	345	700	1.0
ECG15046	350	297	403	750	1.0
ECG15047	470	400	540	850	1.0
ECG15048	600	510	690	1000	1.0
ECG15049AC	120VAC	225	---	700	1.0
ECG15050AC	240VAC	425	---	800	1.0



Specifications

Surge Life

10A 10/1000 μ s Pulse	2500 Operations
500A 10/1000 μ s Pulse	1000 Operations
AC Suffix	300 Operations

Surge Current

8/20	20 kA
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AC Current

10 Operations 60 Hz for 1 sec, with 3 min. intervals	20
AC Suffix	5

AC Current

11 Cycles 60 Hz	20 A
AC Suffix	10 A

Insulation Resistance

100 VDC	10,000 Megohms
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Operating Temperature - 65°C to +125°C

Response Time (Typical) <100 nsec.

Typical Circuit Applications

Application	Protected Equipment	ECG Type
CATV	Trunk Amplifier	15043
	Cable Extender, Splitter, Grounding Block, Converter Box, 30 & 60 VAC Power Supply	15044
AC Line Protection	117 VAC Line	15049AC
	220 VAC Line, All AC Loads	15050AC
Communication	Modem	15046
	Antenna Connected Equipment	15041, 15043 & 15044
Power Supplies	Voltage Doubler, Capacitors, Voltage Regulator, Rectifier Diodes	15044 & 15047
Computer	Data Lines	15041 & 15044

Application	Protected Equipment	ECG Type
Test Equipment	Meter Inputs	15040 & 15045
Capacitive Discharge	Ignition Circuit Components, Pulse Generator Components	15044 & 15046
Signal Lines (Single Ended)	Alarm Circuits	15040
Communications (Lightning)	Telephone Line (Normal Mode)	15046
Power Line (Lightning)	AC Wall Outlet (Long Branch Ckt) 120 VAC	15049AC
	Breaker Box (Short Branch Ckt) 240 VAC	15050AC
Process Control (24 MA Signal Loop)	Instrumentation Circuits	15040 & 15041