



**The Name for
Attenuators**

ACCESSORIES RF FUSE: CIRCUIT PROTECTORS FL Series

Alan Industries' FL Series is an RF Fuse which prevents accidental burnout of attenuators and other devices sensitive to DC and RF Power by introducing a fuse link element between a signal source and a transceiver. Several Watts of DC and RF Power could otherwise be applied to the signal source should the transceiver accidentally be switched to "Transmit". Fuses with different frequency ranges and breakdown points are available and the fuse link is "Field Repairable." Each unit includes one fuse holder and 10 extra fuse elements



Alan

Industries, Inc.

**745 Greenway Drive • Columbus, Indiana 47201 • USA
800-423-5190 or 812-372-8869 • Fax: 812-372-5909
www.alanindustries.com • sales@alanindustries.com**



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FL Series

ELECTRICAL SPECIFICATIONS

MODEL	50FL16	50FL8	50FL4
FREQUENCY RANGE	DC- 1 GHz	DC-1.5 GHz	DC-2 GHz
IMPEDANCE	50 Ohms		
BREAKDOWN POINT	+23 dBm	+29 dBm	+35 dBm
FUSE BLOW TIME	100% of Breakdown Point: 4 Hours Minimum 200% of Breakdown Point: 1 Second Maximum		
INSERTION LOSS	DC-.5 GHz: 1.5 dB .5-1 GHz: 2.0 dB	DC-.5 GHz: 0.5 dB .500-1 GHz: 0.7 dB 1-1.5 GHz: 1.0 dB	DC-.5 GHz: 0.5 dB .5-1 GHz: 0.7 dB 1-2 GHz: 1.0 dB
MAXIMUM VSWR	DC-.5 GHz: 1.7:1 .5-1 GHz: 1.9:1	DC-.5 GHz: 1.4:1 .5-1 GHz: 1.6:1 1-1.5 GHz: 1.8:1	DC-.5 GHz: 1.3:1 .5-1 GHz: 1.5:1 1-2 GHz: 1.9:1
CONNECTORS	BNC Male / Female or N Male / Female		
FUSE ELEMENTS	CM-017	CM-018	CM-018
RoHS COMPLIANCE	RoHS Compliant upon request		

NOTE: Alan FL Series specifications and Fuse Elements were revised on March 1, 2010. The older style FL Series Fuses can be identified as having removable connector pins. Please contact the factory for replacement Fuse Elements for our older style FL Series Fuses.

TO ORDER SPECIFY: Impedance, Category (FL), 4, 8, or 16, and type of Connectors. For example to order a 50 Ohm unit with a breakdown point of +23 dBm and BNC connectors, order Alan Model 50FL16 BNC

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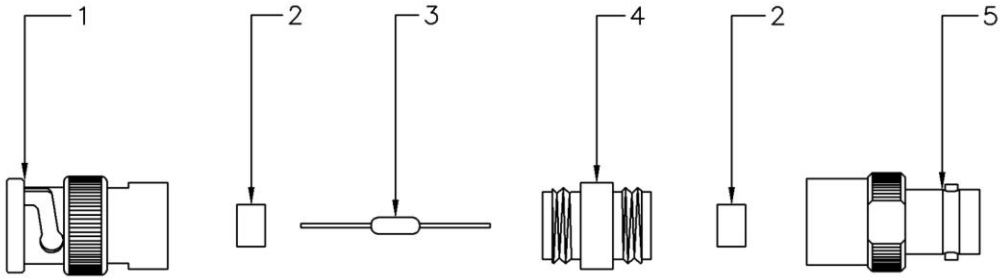
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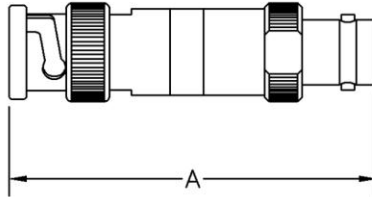
FL Series

PHYSICAL DIMENSIONS



TYPICAL PARTS LIST

- 1. MALE CONNECTOR
- 2. SPACER
- 3. FUSE ELEMENT
- 4. COUPLING
- 5. FEMALE CONNECTOR



CONNECTOR TYPE	A
BNC MALE / FEMALE	2.122
N MALE / FEMALE	2.713

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