



**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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ELECTRICAL SPECIFICATIONS

MODEL	50FL16	50FL8	50FL4	75FL16
FREQUENCY RANGE (MHz)	DC - 500	DC - 1300	DC - 1000	DC-1000
IMPEDANCE	50 Ohms			75 Ohms
MAXIMUM SWR	1.4:1			
BREAKDOWN POINT	+23 dBm	+29 dBm	+35 dBm	4.5V into 75 Ohms
INSERTION LOSS (Typical)				
@ 10 MHz	1.0 dB	0.3 dB	0.1 dB	0.5 dB
@ 100 MHz	1.0 dB	0.4 dB	0.2 dB	0.8 dB
@ 500 MHz	1.3 dB	0.7 dB	0.4 dB	1.2 dB
@ 800 MHz		0.9 dB	0.5 dB	1.5 dB
@ 1000MHz		1.0 dB	0.7 dB	2.0 dB
@ 1300 MHz		1.4 dB		
CONNECTORS	BNC, N, SMA, or TNC			BNC, F, N, or TNC
FUSE ELEMENTS	Model CC-002	Model CC-001	Model CC-006	Model CC-002
RoHS COMPLIANCE	RoHS Compliant upon request			

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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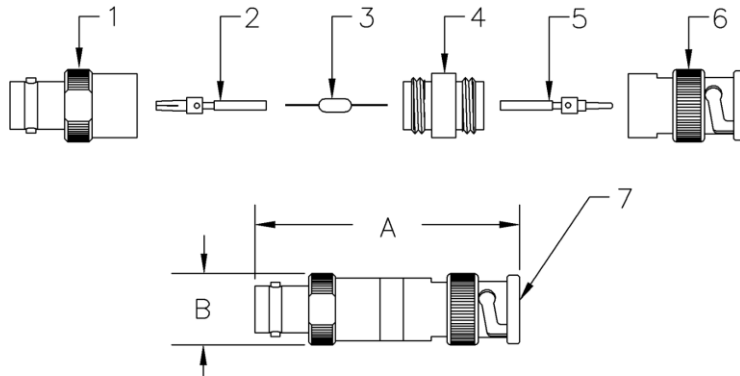
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PHYSICAL DIMENSIONS



TYPICAL PARTS LIST

1. FEMALE CONNECTOR
2. FEMALE PIN & CONTACT
3. FUSE ELEMENT
4. COUPLING
5. MALE PIN & CONTACT
6. MALE CONNECTOR
7. ASSEMBLED UNIT

CONNECTOR TYPE	A	B
BNC	2.122	0.575
F	2.530	0.490
N	2.713	0.795
TNC	2.112	0.600
SMA	2.201	0.500

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