

**SPECIFICATION SHEET**

**JFW MODEL 50FHLB-XXX-100**

**UNI-DIRECTIONAL FIXED ATTENUATOR**

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Description Uni-directional 100 Watt fixed attenuator with heatsink that is only 2.25" diameter and 9.08" long

Frequency Range DC-3000 MHz

Impedance 50 Ohms nominal

Attenuation Values 10, 20 and 30 dB  
(consult factory for additional values)

VSWR 1.3:1 DC-2000 MHz  
1.5:1 2000-3000 MHz

Attenuation Accuracy ± 0.5 dB DC-2000 MHz  
± 0.75 dB 2000-3000 MHz

RF Input Power (uni-directional) 100 Watts average @ +25°C  
Derate to 50 Watts @ +85°C

Reverse Power 50 Watts average @ +25°C

Peak Power 1000 Watts (1 microsecond pulse)

RF Connector N, TNC, 4.3-10.0, 7/16

Operating Temperature Range -55° C to +100° C

Outline Drawing Numbers 092-7004 (N female/female)  
092-7004-01 (4.3/10 male to N female)  
092-7004-02 (7/16 male to N female)  
092-7004-03 (N male/female)  
092-7004-04 (TNC male/female)

**Example Model Numbers:**

50FHLB-010-100 N M/F 10dB, N male/female (input/output)  
50FHLB-010-100 N F/M 10dB, N female/male (input/output)  
50FHLB-010-100 N F/F 10dB, N female/female (input/output)

50FHLB-020-100 TNC M/F 20dB, TNC male/female (input/output)  
50FHLB-020-100 4.3-10.0 M/F 20dB, 4.3-10.0 male/female (input/output)  
50FHLB-020-100 7/16 M/F 20dB, 7/16 male/female (input/output)

50FHLB-030-100 7/16 M/N F 30dB, 7/16 male/N female (input/output)  
50FHLB-030-100 4.3-10.0 M/N F 30dB, 4.3-10.0 male/N female (input/output)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/27/2011		CLK 06/27/2011	28851	07/06/2018	C	CLK 07/06/2018
28368	12/27/2017	A	CLK 12/27/2017	29327	02/14/2019	D	CLK 02/14/2019
28584	03/14/2018	B	TRS 03/14/2018	31105	05/11/2021	E	TRS 05/11/2021