

**SPECIFICATION SHEET**

**JFW MODEL 50HF-XXX-100/6**

**FIXED ATTENUATOR UNI-DIRECTIONAL**

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Frequency Range DC-6 GHz

Impedance 50 Ohms nominal

Attenuation Values 3, 6, 10, 20, 30 and 40 dB

VSWR 1.25:1 maximum DC-1500 MHz  
1.35:1 maximum 1500-2500 MHz  
1.45:1 maximum 2500-6000 MHz

Attenuation Accuracy	DC-1.5GHz 1.5-2.5GHz 2.5-6GHz		
	3, 6 dB	±0.50 dB	±0.50 dB
10 dB	±0.75 dB	±0.75 dB	±2.50 dB
20, 30 dB	±0.75 dB	±1.00 dB	±1.50 dB
40 dB	±1.50 dB	±1.50 dB	±2.50 dB

RF Input Power 100 Watts average - Input side  
Derate linearly to 20 Watts @ +125°C  
  
20 Watts average - Output side

Mounting Directions Mount heat sink fins vertically. Provide space for free air convection flow to occur.

Peak Power 1000 Watts  
(5 microsecond pulse, 0.05% duty cycle)

3rd Order Intercept Point -105 dBc typical  
(Two 20W tones at 1930 & 1950 MHz - Input only)

RF Connector SMA, N, 4.3/10.0, or 7/16

Operating Temperature Range -55°C to +125°C

Physical Size Outline drawing: 092-7189 (N M / N F)  
092-7219 (N F / N F)  
092-7388 (SMA M / SMA F)  
092-7389 (SMA F / SMA F)  
092-8028 (7/16 M / 7/16 F)  
092-8029 (7/16 M / N F)  
092-9148 (4.3/10.0 M/F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
21148	01/18/2012	A	TRS 01/18/2012	24328	07/18/2014	D	CLK 07/18/2014
21237	02/08/2012	B	CLK 02/08/2012	28849	07/03/2018	E	CLK 07/03/2018
21667	06/20/2012	C	BAC 06/26/2012	28947	08/13/2018	F	CLK 08/13/2018