

**SPECIFICATION SHEET**  
**JFW MODEL 50HF-XXX-10**  
**FIXED ATTENUATOR**

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Frequency Range DC-18 GHz

Impedance 50 Ohms nominal

Attenuation Values 1-10, 12, 20, 30 or 40 dB nominal  
 (consult factory for other dB values)

VSWR 1.2:1 maximum DC-6 GHz  
 1.3:1 maximum 6-12.4 GHz  
 1.4:1 maximum 12.4-18 GHz

Attenuation Accuracy 0-6 dB ± 0.3 dB (DC-12.4 GHz)  
 ± 0.5 dB (12.4-18 GHz)  
 7-20 dB ± 0.5 dB (DC-12.4 GHz)  
 ± 0.7 dB (12.4-18 GHz)  
 21-40 dB ± 0.7 dB (DC-12.4 GHz)  
 ± 1.0 dB (12.4-18 GHz)

RF Input Power 10 Watts average @ +25°C  
 Derate linearly to 2 Watts @ +125°C

Peak Power 500 Watts  
 (5 microsecond pulse, 0.05% duty cycle)

RF Connector N, SMA or TNC

Operating Temperature Range -65°C to +125°C

Physical Size SMA:  
 See outline drawing 092-4417  
 N:  
 See outline drawing 092-5999  
 TNC:  
 Length: 2.58" ± 0.05" (TNC male/female)  
 Diameter: 1.00"

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
991	03/13/1998	C		4493	02/25/2004	F	CLV 02/25/2004
2927	03/18/2002	D		10351	12/29/2004	G	SL 12/29/2004
4484	02/19/2004	E	CLV 02/19/2004	16528	11/20/2008	H	SMR 11/20/2008