

SPECIFICATION SHEET

JFW MODEL 50HF-XXX-50/18

UNI-DIRECTIONAL FIXED ATTENUATOR

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Frequency Range DC-18 GHz

Impedance 50 Ohms nominal

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

VSWR 1.25:1 maximum DC-6 GHz
1.35:1 maximum 6-12.4 GHz
1.45:1 maximum 12.4-18 GHz

Attenuation Accuracy	DC-6GHz	6-12.4GHz	12.4-18GHz
3-6dB	±0.75 dB	±0.75 dB	±0.75 dB
7-20dB	±0.75 dB	±0.75 dB	±1.0 dB
21-30dB	±0.75 dB	±1.0 dB	±1.25 dB
31-40dB	±1.0 dB	±1.25 dB	±1.5 dB

RF Input Power 50 Watts average @ +25°C (Input)
Derated to 10 Watts @ +125°C (Input)
10 Watts average (Output)
Input = Male connector
Output = Female connector

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

RF Connector SMA, N or TNC

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

Physical Size See outline drawing 092-2541

* Example model numbers:

50HF-003-50/18SMA	3dB, SMA male/female
50HF-010-50/18SMA	10dB, SMA male/female
50HF-020-50/18N	20dB, N male/female
50HF-030-50/18N	30dB, N male/female

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
2124	05/14/1999	D		12886	06/01/2006	G	CLK 06/02/2006
2866	01/08/2002	E		15009	11/29/2007	H	SMR 11/29/2007
4511	03/11/2004	F	CLV 03/11/2004	21249	02/13/2012	I	TRS 02/13/2012