

**SPECIFICATION SHEET**

**JFW MODEL 50HFFT-XXX-50/6**

**UNI-DIRECTIONAL FIXED ATTENUATOR**

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Description	Fixed Attenuator with 1.61" Diameter
Frequency Range	DC-6 GHz
Impedance	50 Ohms nominal
Attenuation Values	3 through 50 dB (any 1 dB increment)
VSWR	1.4:1 maximum < 1.25:1 typical
Attenuation Accuracy	3-6 dB: ± 0.8 dB maximum / ± 0.6 dB typical 7-10 dB: ± 0.9 dB maximum / ± 0.7 dB typical 11-20 dB: ± 1.0 dB maximum / ± 0.7 dB typical 21-30 dB: ± 1.2 dB maximum / ± 0.8 dB typical 31-40 dB: ± 1.3 dB maximum / ± 0.9 dB typical 41-50 dB: ± 1.4 dB maximum / ± 1.0 dB typical
RF Input Power (uni-directional)	50 Watts average @ +25°C Derate to 0 Watts @ +125°C
Reverse Power	20 Watts average @ +25°C
Peak Power	1000 Watts (5 microsecond pulse, 0.1% duty cycle)
RF Connector	N or SMA
Temperature Range	-55°C to +125°C
Outline Drawing Numbers	092-10432-01 (N male/female) 092-10432-02 (N female/female) 092-10432-03 (SMA male/female) 092-10432-04 (SMA female/female)

Example models numbers:

50HFFT-003-50/6N 3dB, N male(input)/female(output)  
50HFFT-006-50/6N 6dB, N male(input)/female(output)  
50HFFT-010-50/6N 10dB, N male(input)/female(output)  
50HFFT-030-50/6SMA 30dB, SMA male(input)/female(output)

50HFFT-010-50/6N F/F 10dB, N female(input)/female(output)  
50HFFT-030-50/6SMA F/F 30dB, SMA female(input)/female(output)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/27/2025		TRS 02/27/2025				