

**SPECIFICATION SHEET**

**JFW MODEL 50HFFA-XXX-20/18**

**FIXED ATTENUATOR**

JFW Industries, Inc.  
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Frequency Range DC-18 GHz

Impedance 50 Ohms nominal

Attenuation Values 1 through 40 dB (any 1 dB increment)

VSWR 1.5:1 maximum  
1.08:1 typical @ 6 GHz  
1.18:1 typical @ 12 GHz  
1.25:1 typical @ 18 GHz

Attenuation Accuracy ± 0.8 dB (1-10 dB)  
± 1.0 dB (11-20 dB)  
± 1.2 dB (21-30 dB)  
± 1.4 dB (31-40 dB)

RF Input Power (bi-directional) 20 Watts average @ +25°C  
Derate linearly to 0 Watts @ +125°C

Peak Power 500 Watts  
(5 microsecond pulse, 0.1% duty cycle)

RF Connector N or SMA

Temperature Range -55°C to +125°C

Outline Drawing Numbers 092-10143 (N male/female)  
092-10143-01 (SMA male/female)  
092-10143-02 (SMA female/female)

Example models numbers:

50HFFA-003-20/18N 3dB, N male/female  
 50HFFA-006-20/18N 6dB, N male/female  
 50HFFA-010-20/18N 10dB, N male/female  
 50HFFA-020-20/18SMA 20dB, SMA male/female  
 50HFFA-030-20/18SMA 30dB, SMA male/female  
 50HFFA-040-20/18SMA 40dB, SMA male/female

50HFFA-030-20/18SMA F/F 30dB, SMA female/female  
 50HFFA-040-20/18SMA F/F 40dB, SMA female/female

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	09/07/2023		TRS 09/07/2023				
33315	04/16/2024	A	TRS 04/16/2024				