

**SPECIFICATION SHEET**

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

**UNI-DIRECTIONAL FIXED ATTENUATOR**

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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)  
± 1.3 dB (21-30 dB)  
± 1.5 dB (31-40 dB)

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 092-10107 (N male/female)  
092-10107-01 (SMA male/female)  
092-10107-02 (SMA female/female)

**Example models numbers:**

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

50HFFA-003-50/18N F/F 3dB, N female(input)/female(output)  
 50HFFA-003-50/18N F/M 3dB, N female(input)/male(output)

50HFFA-006-50/18SMA F/F 6dB, SMA female(input)/female(output)  
 50HFFA-006-50/18SMA F/M 6dB, SMA female(input)/male(output)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/20/2023		TRS 07/20/2023	32899	10/03/2023	C	TRS 10/03/2023
32802	08/24/2023	A	TRS 08/24/2023				
32827	09/07/2023	B	TRS 09/07/2023				