

**SPECIFICATION SHEET**

**JFW MODEL 50HFFE-XXX-50/8**

**UNI-DIRECTIONAL FIXED ATTENUATOR**

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Frequency Range DC-8.4 GHz

Impedance 50 Ohms nominal

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

VSWR 1.35:1 maximum  
1.18:1 typical @ 8.4 GHz

Attenuation Accuracy ± 0.6 dB (1-10 dB)  
± 0.8 dB (11-20 dB)  
± 1.0 dB (21-30 dB)  
± 1.3 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

Optional Mounting Bracket Add "-MBK" to end of model number if you want the optional mounting brackets included

Outline Drawing Numbers 092-10187-01 (N male/female)  
092-10187-02 (N male/female with mounting brackets)  
092-10187-03 (N female/female)  
092-10187-04 (N female/female with mounting brackets)

**Example models numbers:**

50HFFE-003-50/8N 3dB, N male(input)/female(output)  
 50HFFE-006-50/8N 6dB, N male(input)/female(output)  
 50HFFE-010-50/8N 10dB, N male(input)/female(output)  
 50HFFE-020-50/8SMA 20dB, SMA male (input)/female(output)  
 50HFFE-030-50/8SMA 30dB, SMA male(input)/female(output)

50HFFE-003-50/8N F/F 3dB, N female(input)/female(output)  
 50HFFE-006-50/8SMA F/F 6dB, SMA female(input)/female(output)

50HFFE-020-50/8N-MBK 20dB with optional mounting brackets  
 50HFFE-030-50/8N-MBK 30dB with optional mounting brackets

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/02/2023		TRS 11/02/2023				
33169	02/15/2023	A	TRS 02/15/2024				