

SPECIFICATION SHEET**JFW MODEL 50HFFE-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 (1-6 dB) ± 0.9 dB (7-10 dB) ± 1.1 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
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) 092-10187-05 (SMA male/female) 092-10187-06 (SMA male/female with mounting brackets) 092-10187-07 (SMA female/female) 092-10187-08 (SMA female/female with mounting brackets)

Example models numbers:

50HFFE-006-50/18N	6dB, N male(input)/female(output)
50HFFE-010-50/18N	10dB, N male(input)/female(output)
50HFFE-030-50/18SMA	30dB, SMA male(input)/female(output)
50HFFE-003-50/18N F/F	3dB, N female(input)/female(output)
50HFFE-006-50/18SMA F/F	6dB, SMA female(input)/female(output)
50HFFE-020-50/18N-MBK	20dB with optional mounting brackets
50HFFE-030-50/18SMA-MBK	30dB with optional mounting brackets

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/31/2023		TRS 10/31/2023	33982	02/24/2025	C	TRS 02/24/2025
33168	02/15/2024	A	TRS 02/15/2024				
33526	08/05/2024	B	TRS 08/05/2024				