

SPECIFICATION SHEET**JFW MODEL 50HFFE-XXX-100/8****UNI-DIRECTIONAL FIXED ATTENUATOR**

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Frequency Range	DC-8.4 GHz
Impedance	50 Ohms nominal
Attenuation Values	6, 10, 20, 30, 40 or 50 dB
VSWR	1.5:1 maximum < 1.25:1 typical
Attenuation Accuracy	6 dB $\pm$ 1.1 dB maximum / $\pm$ 0.7 dB typical 10 dB $\pm$ 1.2 dB maximum / $\pm$ 0.8 dB typical 20 dB $\pm$ 1.5 dB maximum / $\pm$ 0.9 dB typical 30 dB $\pm$ 1.5 dB maximum / $\pm$ 0.9 dB typical 40 dB $\pm$ 2.0 dB maximum / $\pm$ 1.0 dB typical 50 dB $\pm$ 2.0 dB maximum / $\pm$ 1.0 dB typical
RF Input Power (uni-directional)	100 Watts average @ +25°C Derate to 0 Watts @ +125°C
Reverse Power	20 Watts average @ +25°C
Peak Power	1000 Watts (5 microsecond pulse, 1% duty cycle)
RF Connector	N or SMA (male/female or female/female or female/male)
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	092-10180-01 (N male/female) 092-10180-02 (N male/female with mounting brackets) 092-10180-03 (N female/female) 092-10180-04 (N female/female with mounting brackets) 092-10180-05 (SMA male/female) 092-10180-06 (SMA female/female) 092-10180-07 (N female/male) 092-10180-08 (SMA female/female with mounting brackets)

Example models numbers:

50HFFE-006-100/8N	6dB, N male(input)/N female(output)
50HFFE-010-100/8N	10dB, N male(input)/N female(output)
50HFFE-030-100/8SMA	30dB, SMA male(input)/SMA female(output)
50HFFE-040-100/8SMA	40dB, SMA male(input)/SMA female(output)
50HFFE-030-100/8N F/F	30dB, N female(input)/N female(output)
50HFFE-030-100/8SMA F/F	30dB, SMA female(input)/SMA female(output)
50HFFE-020-100/8N-MBK	20dB with optional mounting brackets
50HFFE-030-100/8SMA-MBK	30dB with optional mounting brackets

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
33027	11/29/2023	A	TRS 11/29/2023	33687	10/14/2024	D	TRS 10/14/2024
33436	06/27/2024	B	TRS 06/27/2024	34021	03/11/2025	E	TRS 03/11/2025
33447	07/09/2024	C	TRS 07/09/2024	34061	03/31/2025	F	TRS 03/31/2025