

SPECIFICATION SHEET**JFW MODEL 50HFFE-XXX-100/6****UNI-DIRECTIONAL FIXED ATTENUATOR**

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Frequency Range	DC-6 GHz
Impedance	50 Ohms nominal
Attenuation Values	3, 6, 10, 20, 30, 40 or 50 dB
VSWR	1.4:1 maximum / 1.25:1 typical
Attenuation Accuracy	3 dB $\pm$ 0.8 dB maximum / $\pm$ 0.7 dB typical 6 dB $\pm$ 0.9 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, 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	----- 6dB & GREATER DRAWINGS ----- 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) ----- 3dB DRAWINGS ----- 092-10220-01 (N male/female) 092-10220-02 (N male/female with mounting brackets) 092-10220-03 (N female/female) 092-10220-04 (N female/female with mounting brackets) 092-10220-05 (SMA male/female)
Example models numbers:	
50HFFE-006-100/6N	6dB, N male(input)/N female(output)
50HFFE-030-100/6SMA	30dB, SMA male(input)/SMA female(output)
50HFFE-020-100/6N F/F	20dB, N female(input)/N female(output)
50HFFE-015-100/6N F/M	15dB, N female(input)/N male(output)
50HFFE-020-100/6N-MBK	20dB with optional mounting brackets

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
33055	12/14/2023	B	TRS 12/14/2023	33655	09/23/2024	E	TRS 09/23/2024
33090	01/10/2024	C	TRS 01/10/2024	33656	09/24/2024	F	TRS 09/24/2024
33447	07/09/2024	D	TRS 07/09/2024	33687	10/14/2024	G	TRS 10/14/2024