

SPECIFICATION SHEET

JFW MODEL 50HFFE-XXX-100/18

UNI-DIRECTIONAL FIXED ATTENUATOR

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Frequency Range DC-18 GHz

Impedance 50 Ohms nominal

Attenuation Values 6, 10, 20, 30, or 40 dB

VSWR 1.65:1 maximum
< 1.4:1 typical

Attenuation Accuracy 6 dB ± 3.0 dB maximum
10 dB ± 3.0 dB maximum
20 dB ± 2.0 dB maximum
30 dB ± 1.8 dB maximum
40 dB ± 1.8 dB maximum

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 male/female or N female/female

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)

Example models numbers:

50HFFE-006-100/18N 6dB, N male(input)/N female(output)
50HFFE-010-100/18N 10dB, N male(input)/N female(output)
50HFFE-020-100/18N 20dB, N male (input)/N female(output)
50HFFE-030-100/18N 30dB, N male(input)/N female(output)
50HFFE-040-100/18N 40dB, N male(input)/N female(output)

50HFFE-020-100/18N F/F 20dB, N female(input)/N female(output)
50HFFE-030-100/18N F/F 30dB, N female(input)/N female(output)

50HFFE-020-100/18N-MBK 20dB with optional mounting brackets
50HFFE-030-100/18N-MBK 30dB with optional mounting brackets

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/27/2024		TRS 03/27/2024				