

SPECIFICATION SHEET**JFW MODEL 50HFFE-XXX-100/18****UNI-DIRECTIONAL FIXED ATTENUATOR**

JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

Frequency Range	DC-18 GHz
Impedance	50 Ohms nominal
Attenuation Values	6, 10, 20, 30, 40 or 50 dB
VSWR	1.65:1 maximum < 1.4:1 typical
Attenuation Accuracy	6 dB $\pm$ 3.0 dB maximum 10 dB $\pm$ 3.0 dB maximum 20 dB $\pm$ 2.0 dB maximum 30 dB $\pm$ 1.8 dB maximum 40 dB $\pm$ 1.8 dB maximum 50 dB $\pm$ 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 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-006-100/18N 6dB, N male(input)/N female(output)
50HFFE-010-100/18N 10dB, N male(input)/N female(output)
50HFFE-030-100/18SMA 30dB, SMA male(input)/SMA female(output)
50HFFE-040-100/18SMA 40dB, SMA male(input)/SMA female(output)

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

50HFFE-020-100/18N-MBK 20dB with optional mounting brackets
50HFFE-030-100/18SMA-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	33687	10/14/2024	C	TRS 10/14/2024
33424	06/21/2024	A	TRS 06/21/2024	34060	03/31/2025	D	TRS 03/31/2025
33447	07/09/2024	B	TRS 07/09/2024				