

SPECIFICATION SHEET**JFW MODEL 50HFFA-XXX-25/18****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 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)
± 1.0 dB (11-20 dB)
± 1.2 dB (21-30 dB)
± 1.4 dB (31-40 dB)

RF Input Power
(bi-directional) 25 Watts average @ +25°C
Derate linearly to 0 Watts @ +125°C

Peak Power 500 Watts
(5 microsecond pulse, 0.1% duty cycle)

RF Connector N or SMA

Temperature Range -55°C to +125°C

Outline Drawing Numbers
092-10106 (N male/female)
092-10106-01 (SMA male/female)
092-10106-02 (N female/female)
092-10106-03 (SMA female/female)

Example models numbers:

50HFFA-003-25/18N 3dB, N male/female
50HFFA-006-25/18N 6dB, N male/female
50HFFA-010-25/18N 10dB, N male/female
50HFFA-020-25/18SMA 20dB, SMA male/female
50HFFA-030-25/18SMA 30dB, SMA male/female
50HFFA-040-25/18SMA 40dB, SMA male/female

50HFFA-010-25/18N F/F 10dB, N female/female
50HFFA-020-25/18SMA F/F 20dB, SMA female/female

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/20/2023		TRS 07/20/2023				
32826	09/06/2023	A	TRS 09/06/2023				
33984	02/24/2025	B	TRS 02/24/2025				