

SPECIFICATION SHEET

JFW MODEL 50HFFA-XXX-10/18N

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
1.1:1 typical @ 6 GHz
1.2:1 typical @ 18 GHz

Attenuation Accuracy ± 0.8 dB (1-10 dB)
± 0.9 dB (11-20 dB)
± 1.0 dB (21-30 dB)
± 1.2 dB (31-40 dB)

RF Input Power (bi-directional) 10 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 male/female or N female/female

Temperature Range -55°C to +125°C

Outline Drawing Numbers 092-10010 (N male/female)
092-10010-01 (N female/female)

Example models numbers:

50HFFA-003-10/18N (3dB, N male/female)
 50HFFA-006-10/18N (6dB, N male/female)
 50HFFA-010-10/18N (10dB, N male/female)
 50HFFA-020-10/18N (20dB, N male/female)

50HFFA-002-10/18N F/F (2dB, N female/female)
 50HFFA-006-10/18N F/F (6dB, N female/female)
 50HFFA-010-10/18N F/F (10dB, N female/female)
 50HFFA-030-10/18N F/F (30dB, N female/female)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/11/2023		TRS 07/11/2023				
32756	08/09/2023	A	TRS 08/09/2023				

SPECIFICATION SHEET

JFW MODEL 50HFFA-XXX-10/18SMA

FIXED ATTENUATOR

JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
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Frequency Range	DC-18 GHz
Impedance	50 Ohms nominal
Attenuation Values	1 through 40 dB (any 1 dB increment)
VSWR	1.5:1 maximum 1.1:1 typical @ 6 GHz 1.2:1 typical @ 18 GHz
Attenuation Accuracy	± 0.6 dB (1-10 dB) ± 0.8 dB (11-20 dB) ± 1.0 dB (21-30 dB) ± 1.2 dB (31-40 dB)
RF Input Power (bi-directional)	10 Watts average @ +25°C (derate linearly to 0 Watts @ +125°C)
Peak Power	500 Watts (5 microsecond pulse, 0.1% duty cycle)
RF Connector	SMA male/female
Temperature Range	-55°C to +125°C
Physical Size	See outline drawing 092-10091

Example models numbers:

50HFFA-003-10/18SMA	3dB, SMA male/female
50HFFA-006-10/18SMA	6dB, SMA male/female
50HFFA-010-10/18SMA	10dB, SMA male/female
50HFFA-020-10/18SMA	20dB, SMA male/female

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