

SPECIFICATION SHEET

JFW MODEL 50HFFA-XXX-2/6N

FIXED ATTENUATOR

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

Frequency Range DC-6 GHz

Impedance 50 Ohms nominal

Attenuation Values 1 through 30 dB (any 1 dB increment)

VSWR 1.3:1 maximum
< 1.15:1 typical

Attenuation Accuracy ± 0.5 dB (1-10 dB)
± 0.7 dB (11-20 dB)
± 0.9 dB (21-30 dB)

RF Input Power (bi-directional) 2 Watts average @ +25°C
(derate linearly to 0 Watts @ +125°C)

Peak Power 100 Watts
(5 microsecond pulse, 0.1% duty cycle)

RF Connector N male/female

Temperature Range -55°C to +125°C

Physical Size See outline drawing 092-10086

Example model numbers:

- 50HFFA-001-2/6N (1dB, N male/female)
- 50HFFA-002-2/6N (2dB, N male/female)
- 50HFFA-003-2/6N (3dB, N male/female)
- 50HFFA-006-2/6N (6dB, N male/female)
- 50HFFA-010-2/6N (10dB, N male/female)
- 50HFFA-020-2/6N (20dB, N male/female)
- 50HFFA-025-2/6N (25dB, N male/female)
- 50HFFA-030-2/6N (30dB, N male/female)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/01/2024		TRS 02/01/2024				

SPECIFICATION SHEET

JFW MODEL 50HFFA-XXX-2/6SMA

FIXED ATTENUATOR

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

Frequency Range	DC-6 GHz
Impedance	50 Ohms nominal
Attenuation Values	1 through 30 dB (any 1 dB increment)
VSWR	1.3:1 maximum < 1.12:1 typical
Attenuation Accuracy	± 0.4 dB (1-6 dB) ± 0.5 dB (7-10 dB) ± 0.7 dB (11-20 dB) ± 0.9 dB (21-30 dB)
RF Input Power	2 Watts average @ +25°C (derate linearly to 0 Watts @ +125°C)
Peak Power	100 Watts (5 microsecond pulse, 0.1% duty cycle)
RF Connector	SMA male/female, or male/male
Temperature Range	-55°C to +125°C
Construction	Stainless steel body and connectors
Physical Size	See outline drawing 092-10082 (SMA M/F) 092-10204 (SMA M/M)

Example model numbers:

50HFFA-001-2/6SMA (1dB, SMA male/female)
50HFFA-002-2/6SMA (2dB, SMA male/female)
50HFFA-003-2/6SMA (3dB, SMA male/female)
50HFFA-006-2/6SMA (6dB, SMA male/female)
50HFFA-010-2/6SMA (10dB, SMA male/female)
50HFFA-020-2/6SMA (20dB, SMA male/female)
50HFFA-025-2/6SMA (25dB, SMA male/female)
50HFFA-030-2/6SMA (30dB, SMA male/female)

50HFFA-003-2/6SMA M/M (3dB, SMA male/male)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/12/2023		TRS 07/12/2023				
32902	10/05/2023	A	TRS 10/05/2023				
33035	12/06/2023	B	CLK 12/06/2023				