

SPECIFICATION SHEET

JFW MODEL 50HFFE-XXX-100/6

UNI-DIRECTIONAL FIXED ATTENUATOR

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Frequency Range DC-6 GHz

Impedance 50 Ohms nominal

Attenuation Values 3, 6, 10, 20, 30, or 40 dB

VSWR 1.4:1 maximum
< 1.25:1 typical

Attenuation Accuracy 3 dB ± 0.8 dB maximum / ± 0.7 dB typical
6 dB ± 0.9 dB maximum / ± 0.7 dB typical
10 dB ± 1.2 dB maximum / ± 0.8 dB typical
20 dB ± 1.5 dB maximum / ± 0.9 dB typical
30 dB ± 1.5 dB maximum / ± 0.9 dB typical
40 dB ± 2.0 dB maximum / ± 1.0 dB typical

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

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 ----- 6dB thru 40dB drawings -----
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)
----- 3dB drawings -----
092-10220-01 (N male/female)
092-10220-02 (N male/female with mounting brackets)
092-10220-03 (N female/female)
092-10220-04 (N female/female with mounting brackets)
092-10220-05 (SMA male/female)

Example models numbers:

50HFFE-006-100/6N 6dB, N male(input)/N female(output)
50HFFE-010-100/6N 10dB, N male(input)/N female(output)
50HFFE-030-100/6SMA 30dB, SMA male(input)/SMA female(output)
50HFFE-020-100/6N F/F 20dB, N female(input)/N female(output)
50HFFE-020-100/6N-MBK 20dB with optional mounting brackets

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
| | 10/31/2023 | | TRS 10/31/2023 | 33090 | 01/10/2024 | C | TRS 01/10/2024 |
| 33027 | 11/29/2023 | A | TRS 11/29/2023 | | | | |
| 33055 | 12/14/2023 | B | TRS 12/14/2023 | | | | |