

SPECIFICATION SHEET

JFW MODEL 50HF-XXX-100/6

FIXED ATTENUATOR UNI-DIRECTIONAL

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Frequency Range DC-6 GHz

Impedance 50 Ohms nominal

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

VSWR 1.25:1 maximum DC-1500 MHz
1.35:1 maximum 1500-2500 MHz
1.45:1 maximum 2500-6000 MHz

| Attenuation Accuracy | DC-1.5GHz | 1.5-2.5GHz | 2.5-6GHz |
|----------------------|-----------|------------|----------|
| 3, 6 dB | ±0.50 dB | ±0.50 dB | ±0.75 dB |
| 10 dB | ±0.75 dB | ±0.75 dB | ±2.50 dB |
| 20, 30 dB | ±0.75 dB | ±1.00 dB | ±1.50 dB |
| 40 dB | ±1.50 dB | ±1.50 dB | ±2.50 dB |

RF Input Power 100 Watts average - Input side
Derate linearly to 20 Watts @ +125°C
20 Watts average - Output side

Mounting Directions Mount heat sink fins vertically.
Provide space for free air convection flow to occur.

Peak Power 1000 Watts
(5 microsecond pulse, 0.05% duty cycle)

RF Connector SMA or N

Operating Temperature Range -55°C to +125°C

Physical Size Outline drawing: 092-7189 (N M/N F)
092-7219 (N F/N F)
092-7388 (SMA M/SMA F)
092-7389 (SMA F/SMA F)

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
| | 01/04/2012 | | CLK 01/04/2012 | 21667 | 06/20/2012 | C | BAC 06/26/2012 |
| 21148 | 01/18/2012 | A | TRS 01/18/2012 | | | | |
| 21237 | 02/08/2012 | B | CLK 02/08/2012 | | | | |