

SPECIFICATION SHEET

JFW MODEL 50P-2111

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 200-8000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-95 dB in 1 dB steps

Attenuation Steps 1, 2, 4, 8, 16, 32 and 32 dB

VSWR 2.0:1 maximum
< 1.6:1 typical

Attenuation Accuracy (guaranteed monotonic) ± 0.50 dB 1-7 dB
± 0.60 dB 8-15 dB
± 0.75 dB 16-23 dB
± 1.00 dB or 4% 24-95 dB
(whichever is greater)

Insertion Loss 7.0 dB maximum
4.1 dB typical @ 2 GHz
5.0 dB typical @ 4 GHz
6.0 dB typical @ 8 GHz

RF Input Power +24 dBm (operating - Input Side)
+15 dBm (operating - Output Side)

+25 dBm (no damage - Input Side)
+16 dBm (no damage - Output Side)

Switching Speed 4 microseconds maximum
0.7 microseconds typical

DC Supply +5Vdc @ 2mA nominal

Control USB control

Test Software (Microsoft .NET 4.0+)
(Windows Vista or greater) The included JFW software allows control of multiple USB devices.

JFW managed library available for development in user made applications.

DC Connector USB MINI-B
6' USB A to USB Mini-B Cable Included

RF Connector SMA female

Operating Temperature Range -40°C to +85°C

Physical Size See outline drawings 092-9639

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