

SPECIFICATION SHEET

JFW MODEL 50PA-1205

PROGRAMMABLE ATTENUATOR ASSEMBLY

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Frequency Range 30-6000 MHz

Configuration 8 x 1 LC Handover Test System
(see block diagram 092-9795)
(all ports are bi-directional)
(limited fan-out configuration)
(the ADMIN password is located on rear panel)

Enclosure Type 19 inch rack mount @ 2RU high

Impedance 50 Ohms nominal

Attenuation Range 0-95 dB in 1 dB steps

VSWR 2.0:1 maximum
< 1.7:1 typical

Path Loss Insertion Loss Paths (i.e. COM port to ATTEN port)
26 dB typical @ 30 MHz
32 dB typical @ 6000 MHz
Isolation Paths (i.e. ATTEN port to ATTEN port)
52 dB typical @ 30 MHz
64 dB typical @ 6000 MHz

Path Examples COM to ATTEN 1 (insertion loss path)
COM to ATTEN 8 (insertion loss path)
ATTEN 1 to COM (insertion loss path)
ATTEN 8 to COM (insertion loss path)

ATTEN 1 to ATTEN 2 (isolation path)
ATTEN 1 to ATTEN 3 (isolation path)
ATTEN 1 to ATTEN 8 (isolation path)
ATTEN 7 to ATTEN 8 (isolation path)
ATTEN 8 to ATTEN 7 (isolation path)

Attenuation Accuracy ± 0.50 dB 1-3 dB
± 0.75 dB 4-7 dB
± 1.00 dB 8-11 dB
± 1.25 dB or 4% 12-95 dB
(whichever is greater)
(guaranteed monotonic)

RF Input Power +27 dBm average

Switching Speed 4 microseconds typical
(after command is received and processed)
(3 milliseconds typical processing time)

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