BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

JFW MODEL 75BA-004-95

SPECIFICATION SHEET

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Frequency Range 5-2150 MHz

Configuration Two solid-state programmable attenuators

Enclosure Type Mini-benchtop

Impedance 75 Ohms nominal

Attenuation Range 0-95 dB in 1 dB steps

Startup/Default States
Maximum attenuation (see ATTEN STARTUP command)
DHCP enabled (see NET command)
4 Ethernet users (see NET USERS command)
Prompts off (see PROMPT command)
Jog speed 5 (see JOG SPEED command)

VSWR
2.0:1 maximum
< 1.6:1 typical 5-1218 MHz
< 1.8:1 typical 1218-2150 MHz

Attenuation Accuracy
± 0.25 dB 1-8 dB
± 0.50 dB 9-16 dB
± 0.75 or 3% 17-95 dB
(whichever is greater)

Insertion Loss
6 dB maximum
2.0 dB typical @ 5 MHz
4.3 dB typical @ 1218 MHz
5.0 dB typical @ 2150 MHz

RF Input Power
+23 dBm (5-100 MHz)
+27 dBm (100-2150 MHz)

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

Manual Control
Momentary Lever Actuator Switch with
7-Segment LED Displays
(tap to step, hold to jog)
(jog speed range is 0-10)
(jog speed set to 0 will disable all levers)

Remote Control
Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)
RS-232 (up to 115200 Baud)

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Remote Commands

Attenuator Control Commands:
Atten, Set Attenuator, Read Attenuator, Fade
Attenuator, Variable Attenuator, Block, Set
Block, Read Block, Read All Blocks, Fade Block,
Variable Block, Handover

System Commands:
Help, Identification, Store, Recall, Pause, Net,
Serial, Close, Disconnect, MOTD, Date, Message,
Restrict, IDENT, Name, Show Users, Reboot, Uptime,
Prompt, Jog Speed

DC Supply
+12 Vdc
(100-240 VAC AC/DC transformer included)

RF Connector
F female

Operating Temperature Range
0°C to +50°C

Physical Size
See outline drawing 092-9665