SPECIFICATION SHEET

JFW Industries, Inc.
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www.jfwindustries.com

JFW MODEL 50BA-007-95

BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY

Frequency Range	2-6 GHz
Configuration	2 X 1 LC Handover Test System (see block diagram on drawing 092-7141)
Enclosure Type	Mini-benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Maximum attenuation (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) Jog speed 5 (see JOG command)
	All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
VSWR	2.2:1 maximum < 2.0:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater)
Insertion Loss	12.5 dB maximum
RF Input Power	+20 dBm average +25 dBm (no damage)
Switching Speed	1 microsecond typical (after command is received and processed) (3 milliseconds typical processing time)
DC Supply	+12 Vdc (100-240 VAC AC/DC transformer included)
Manual Control	Momentary Lever Actuator Switches 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, Set All Attenuators, Read All Attenuators, Read All Extended, Fade Attenuator, Variable Attenuator Handover, 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
RF Connector	SMA female
Operating Temperature Range	0°C to +50°C
Physical Size	See outline drawing 092-7141

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/31/2012		CLK 01/31/2012				
24239	12/01/2014	A	TRS 12/01/2014				
25575	07/23/2015	B	TRS 07/23/2015				