JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
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Frequency Range	700-6000 MHz
Configuration	10 x 2 Handover Test System (see block diagram 092-6764 for attenuator addressing) (all ports are bi-directional) (full fan-out i.e. every path has its own attenuator) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Attenuators to 95dB at startup (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
VSWR	1.8:1 maximum < 1.6:1 typical
Insertion Loss	35 dB maximum 33 dB typical
Power Divider Isolation	20 dB minimum 23 dB typical
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	+30 dBm average
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
Manual Control	20-Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

--CONTINUED--

JFW FORM E-7-F REV F

SPECIFICATION SHEET

JFW MODEL 50PA-613

PROGRAMMABLE ATTENUATOR ASSEMBLY

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Remote Commands	Attenuator Control Commands: Atten, Set Path, Read Path, Read All Paths, 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
RF Connector	N female
AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-002, JFW #025-021
Temperature Range	Operating: 0°C to +70°C Storage: -55°C to +85°C
Physical Size	See outline drawing 092-6763

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/10/2010		CLK 11/10/2010	28159	10/05/2017	C	CLK 10/05/2017
24239	09/09/2014	A	TRS 09/09/2014				
26652	05/12/2016	B	TRS 05/12/2016				