SPECIFICATION SHEET

JFW MODEL 50PMA-044

TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

Frequency Range	30-3000 MHz
Configuration	8 Port Transceiver Test System (see block diagram 092-5910 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 @ 5RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Maximum attenuation (see ATTEN STARTUP command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	1.8:1 maximum
Insertion Loss	34 dB nominal @ 200 MHz 37 dB nominal @ 2500 MHz
Attenuation Accuracy	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 3% 12-95 dB (whichever is greater) (guaranteed monotonic)
Power Divider Isolation	20 dB minimum
RF Input Power	+30 dBm average
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz 0.19 Amps @ 120 VAC nominal 4 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-004, JFW #025-018
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)

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JFW FORM E-7-F REV F

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Remote Commands	Attenuator Control Commands: Atten, Set Path, Read Path, 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, SMA or TNC female
Temperature Range	Operating: 0°C to +70°C Storage: -55°C to +85°C
Physical Size	See outline drawings: 092-6641 (50PMA-044 SMA) 092-7376 (50PMA-044 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
21597	05/31/2012	A	BAC 05/31/2012	23274	09/26/2013	D	TRS 09/26/2013
21725	07/17/2012	B	CLK 07/17/2012	24239	07/01/2014	E	CLK 07/01/2014
22421	01/23/2013	C	TRS 01/23/2013	28159	10/05/2017	F	CLK 10/05/2017