

SPECIFICATION SHEET
JFW MODEL 50PMA-076
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	2-6 GHz
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 @ 4RU 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	1.7:1 maximum 1.6:1 typical
Insertion Loss	37.0 dB maximum 31.0 dB typical @ 2 GHz 35.0 dB typical @ 6 GHz
Attenuation Accuracy	± 0.50 dB 1-3 dB ± 1.00 dB 4-11 dB ± 1.25 or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
Power Divider Isolation	21 dB minimum
RF Input Power	1 Watt 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 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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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

SMA female

Temperature Range

Operating: 0°C to +70°C
Storage: -55°C to +85°C

Physical Size

See outline drawing 092-7357



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/12/2013		BAC 06/12/2013				
24239	09/09/2014	A	TRS 09/09/2014				
28159	10/05/2017	B	CLK 10/05/2017				