

SPECIFICATION SHEET
JFW MODEL 50PMA-078
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	DC-500 MHz
Configuration	12 Port Transceiver Test System with 2 RF Hubs (See block diagram 092-7807) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	50 Ohms nominal
Switch Range	J1-J2 (electro-mechanical)
Attenuation Range	0-127 dB in 1 dB steps (electro-mechanical)
Startup/Default States (configurable)	All switches to port J1 at startup (see SWITCH command) All attenuators 127dB at startup (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	1.6:1 maximum < 1.4:1 typical
Attenuation Accuracy	± 0.5 dB (1-31 dB) ± 1.0 dB (32-127 dB)
Insertion Loss	24.8 dB maximum 22.9 dB typical
RF Input Power	1 Watt average average
Switching Speed	6 milliseconds for Attenuators 20 milliseconds for Switches (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)

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Remote Commands

Switch Control Commands:
 Switch, Set Switch, Read Switch, Set All Switches,
 Read All Switches

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

RF Connector

N or SMA female

AC Supply

100-240 VAC @ 47-63 Hz
 4 Amp 5x20mm "Slo-Blo" AC fuse
 Littelfuse #215-004, JFW #025-018

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-7806

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	09/11/2013		TRS 09/11/2013				
24239	12/05/2014	A	TRS 12/05/2014				
25671	08/19/2015	B	TRS 08/19/2015				