

SPECIFICATION SHEET
JFW MODEL 50PMA-073
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	30-2000 MHz
Configuration	8 Port Transceiver Test System with 2 RF Hubs (See block diagram 092-7674) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 3RU high
Impedance	50 Ohms nominal
Switch Range	J0-J2 (solid-state)
Attenuation Range	0-63 dB in 1 dB steps (solid-state)
Startup/Default States (configurable)	All switches to port J1 at startup (see SWITCH command) All attenuators 63dB 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
Attenuation Accuracy (guaranteed monotonic)	1-7 dB ± 0.5 dB 8-63 dB ± 0.7 dB or 3%
Insertion Loss	32.3 dB maximum
Isolation (Input to Input)	86 dB minimum 106 dB typical (each Input set to different RF Hub)
RF Input Power	+20 dBm average +24 dBm (0.1 dB compression)
Switching Speed	2 microseconds for Attenuators 10 microseconds for 1P2T 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)

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Remote Control Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)
 RS-232 (up to 115200 Baud)

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, SMA or TNC female

Operating Temperature Range 0°C to +50°C

AC Supply 100-240 VAC @ 47-63 Hz
 2 Amp 5x20mm "Slo-Blo" AC fuse
 Littelfuse #215-002, JFW #025-021

Outline Drawing Numbers 092-7680 (50PMA-073 SMA)
 092-7680-01 (50PMA-073 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/19/2013		TRS 04/19/2013	25671	08/19/2015	C	TRS 08/19/2015
24239	02/06/2015	A	TRS 02/06/2015				
25218	04/14/2015	B	TRS 04/14/2015				