

SPECIFICATION SHEET
JFW MODEL 50PMA-029
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	DC-2000 MHz
Configuration	8 Port Transceiver Test System with 3 RF Hubs (See block diagram 092-6517) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 5RU high
Impedance	50 Ohms nominal
Switch Range	J0-J3 (electro-mechanical)
Attenuation Range	0-63 dB in 1 dB steps (electro-mechanical)
Startup/Default States (configurable)	All switches off at startup (see SWITCH command) All attenuators 63dB at startup (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	1.8:1 maximum < 1.6:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.6 dB or 3% of programmed (whichever is greater)
Insertion Loss	28 dB maximum
Isolation (Input to Input)	100 dB minimum (each Input set to different RF Hub)
RF Input Power	+20 dBm average
Switching Speed	6 milliseconds for Attenuators 15 milliseconds for Switches (after command is received and processed) (3 milliseconds typical processing time)
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

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 092-6516

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/14/2010		TRS 06/14/2010	25671	08/19/2015	C	TRS 08/19/2015
20552	09/08/2011	A	CLK 09/08/2011				
24239	12/05/2014	B	TRS 12/05/2014				