

SPECIFICATION SHEET
JFW MODEL 50PMA-031
TRANSCEIVER TEST SYSTEM

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

Frequency Range	30-3000 MHz
Configuration	6 Port Transceiver Test System with 2 RF Hubs (See Block Diagram 092-6680) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 2RU high
Impedance	50 Ohms nominal
Switch Range	J1-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 USERS command) Prompts off (see PROMPT command)
VSWR	1.8:1 maximum < 1.6:1 typical
Insertion Loss	24 dB nominal @ 30 MHz 30 dB nominal @ 3000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.3 dB 1-7 dB ± 0.5 dB or 2% 8-63 dB (whichever is greater)
RF Input Power	+20 dBm average
Switching Speed	2 microseconds typical for Attenuators 10 microseconds typical 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
 2 Amp 5x20mm "Slo-Blo" AC fuse
 Littelfuse #215-002, JFW #025-021

Temperature Range

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

Physical Size

See outline drawing 092-6679

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/04/2010		CLK 08/04/2010	24239	12/05/2014	C	TRS 12/05/2014
19343	10/28/2010	A	CLK 10/28/2010	25671	08/19/2015	D	TRS 08/19/2015
20538	09/06/2011	B	CLK 09/06/2011				