

**SPECIFICATION SHEET**  
**JFW MODEL 50PMA-030**  
**TRANSCEIVER TEST SYSTEM**

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

Frequency Range	200-2500 MHz
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 @ 5RU high
Impedance	50 Ohms nominal
Attenuation Range	0-127 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	1.8:1 maximum
Attenuation Accuracy	1, 2, 4 and 8 dB ± 0.5 dB 16, 32 and 64 dB ± 0.5 dB or 2% (whichever is greater) (guaranteed monotonic)
Insertion Loss	34 dB nominal @ 200 MHz 37 dB nominal @ 2500 MHz
Power Divider Isolation	18 dB minimum (Port to Port same divider)
RF Input Power	+30 dBm average
Switching Speed	2 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

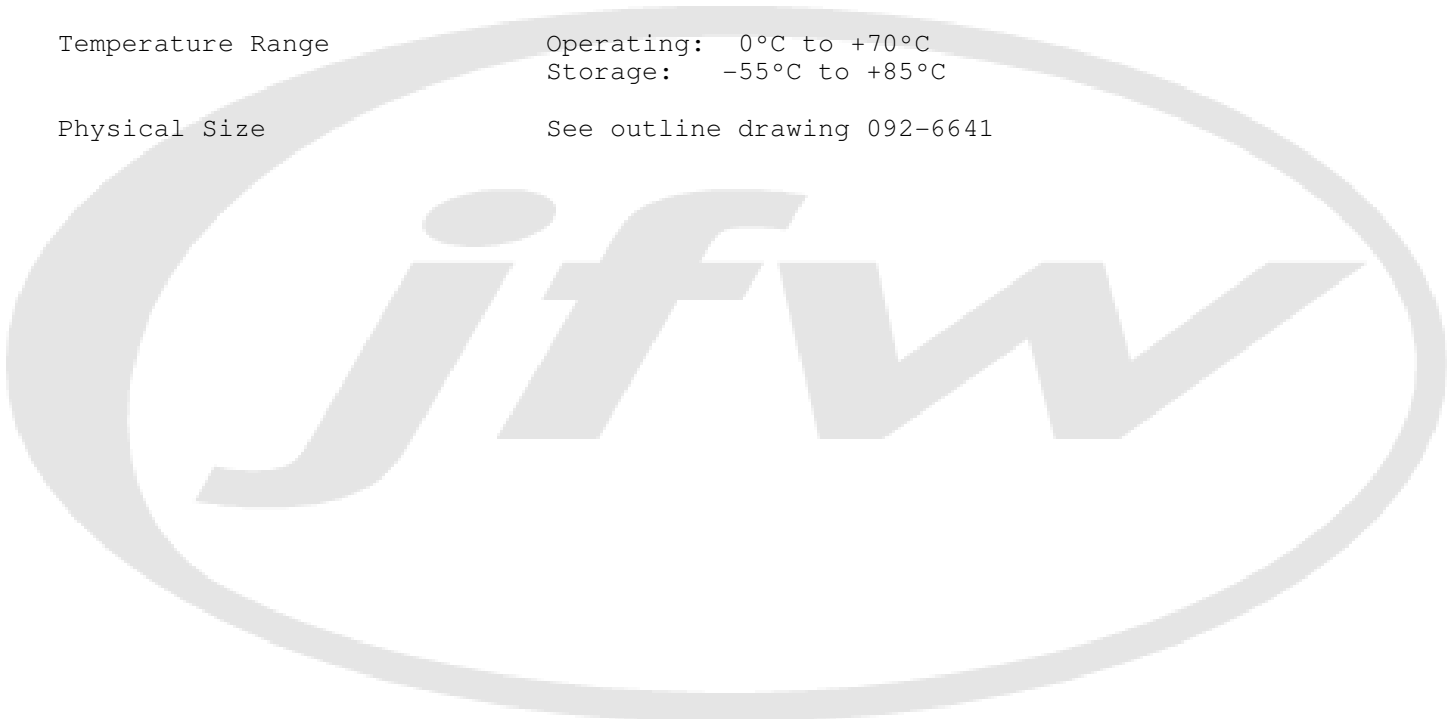
SMA female

Temperature Range

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

Physical Size

See outline drawing 092-6641



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/23/2010		CLK 07/23/2010				
24239	09/09/2014	A	TRS 09/09/2014				