

**SPECIFICATION SHEET**  
**JFW MODEL 50PMA-106**  
**TRANSCEIVER TEST SYSTEM**

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

Frequency Range	2-6 GHz
Configuration	4 Port Transceiver Test System (see block diagram 092-6984 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" rack mount @ 2RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Attenuators to 95dB 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	1.7:1 maximum 1.5:1 typical
Attenuation Accuracy	± 0.7 dB                    1-7 dB ± 1.0 dB                    8-11 dB ± 1.25 dB or 4%        12-95 dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	29 dB maximum 23 dB typical @ 2 GHz 27 dB typical @ 6 GHz
Power Divider Isolation	20 dB minimum 23 dB typical
RF Input Power	1 Watt average
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, Set 2nd 32dB Bit

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

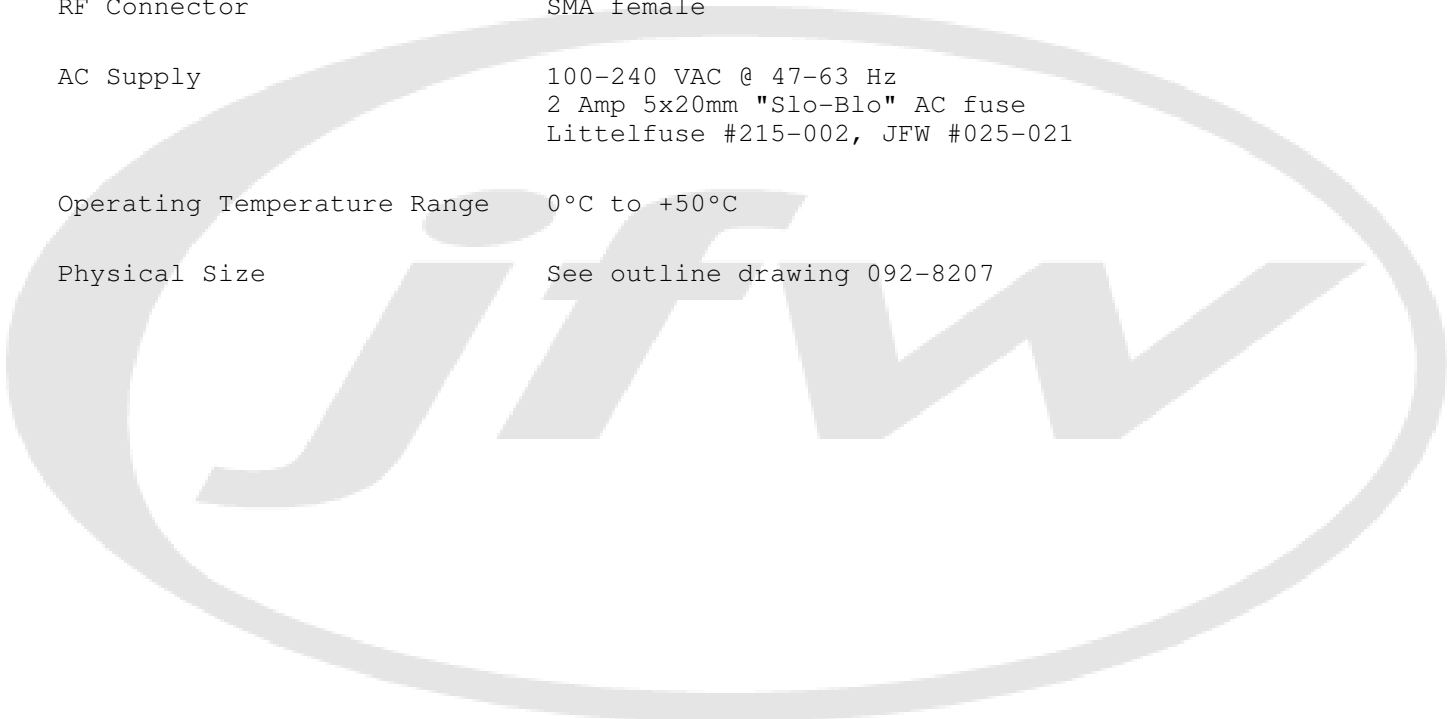
100-240 VAC @ 47-63 Hz  
 2 Amp 5x20mm "Slo-Blo" AC fuse  
 Littelfuse #215-002, JFW #025-021

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-8207



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/15/2015		TRS 12/15/2015				