

SPECIFICATION SHEET
JFW MODEL 50PMA-041
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	30-3000 MHz
Configuration	32 Port Transceiver Test System (see block diagram 092-6888 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	23 inch rack cabinet w/ doors on front and rear of cabinet. See outline drawing 092-6887 for cabinet dimensions.
Impedance	50 Ohms nominal
Attenuation Range	0-63 dB in 1 dB steps
VSWR	1.8:1 maximum
Attenuation Accuracy (guaranteed monotonic)	± 0.70 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-63 dB (whichever is greater)
Insertion Loss	56 dB maximum 53 dB typical @ 3 GHz
Power Divider Isolation	20 dB minimum
RF Input Power	1 Watt average
Switching Speed	2 microseconds (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)
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

N, SMA or TNC female

AC Supply

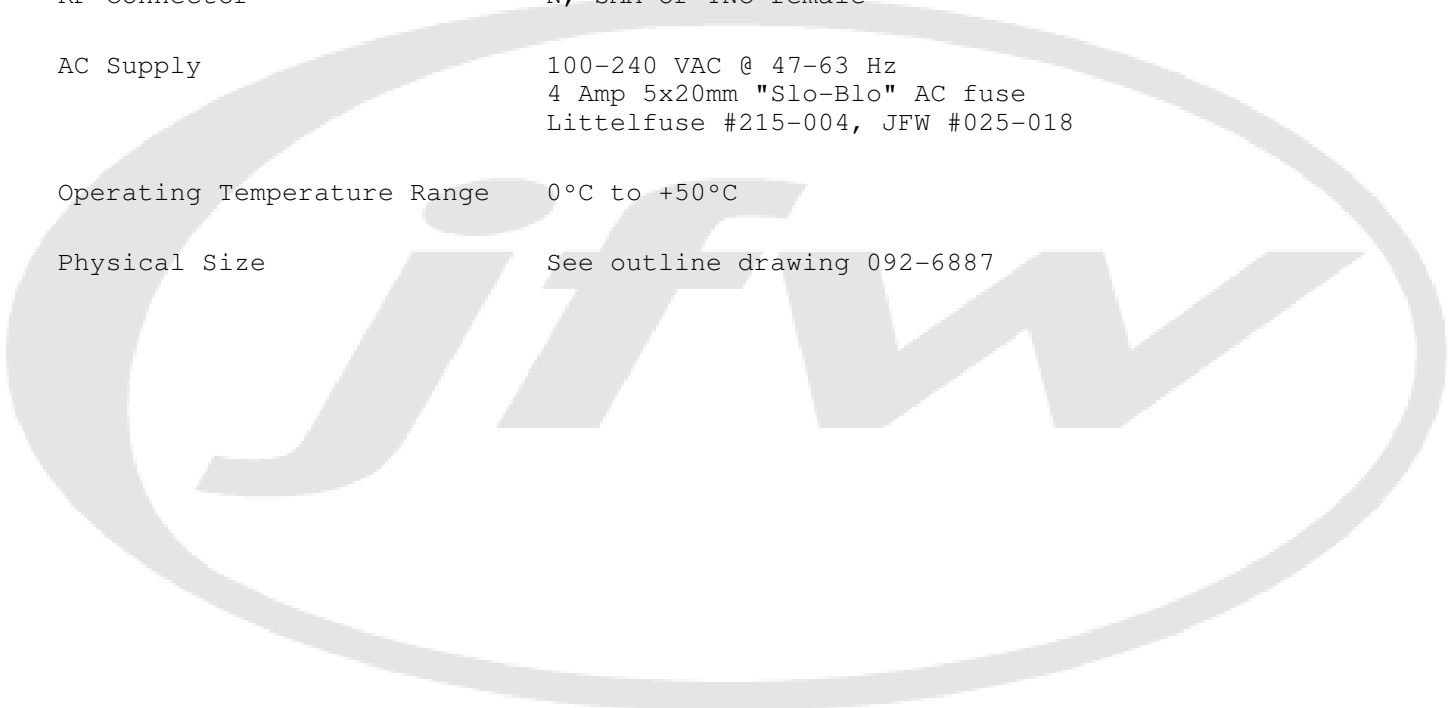
100-240 VAC @ 47-63 Hz
 4 Amp 5x20mm "Slo-Blo" AC fuse
 Littelfuse #215-004, JFW #025-018

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-6887



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/21/2011		TRS 03/21/2011	27263	11/14/2016	C	TRS 11/14/2016
20875	11/09/2011	A	TRS 11/09/2011				
24238	09/09/2014	B	TRS 09/09/2014				