

SPECIFICATION SHEET
JFW MODEL 50PMA-045
TRANSCEIVER TEST SYSTEM

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

Frequency Range	DC-1000 MHz
Configuration	4 Port Transceiver Test System with 1 RF Hub (See block diagram 092-6983) (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
Attenuation Range	0-127 dB in 1 dB steps (electro-mechanical)
Startup/Default States (configurable)	All attenuators 127dB at startup (see ATTEM command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	1.6:1 maximum < 1.4:1 typical
Attenuation Accuracy	± 0.5 dB (1-31 dB) ± 1.0 dB (32-127 dB)
Insertion Loss	22 dB maximum 20 dB typical @ 1000 MHz
RF Input Power	1 Watt average average
Switching Speed	6 milliseconds (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 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

AC Supply

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

RF Connector

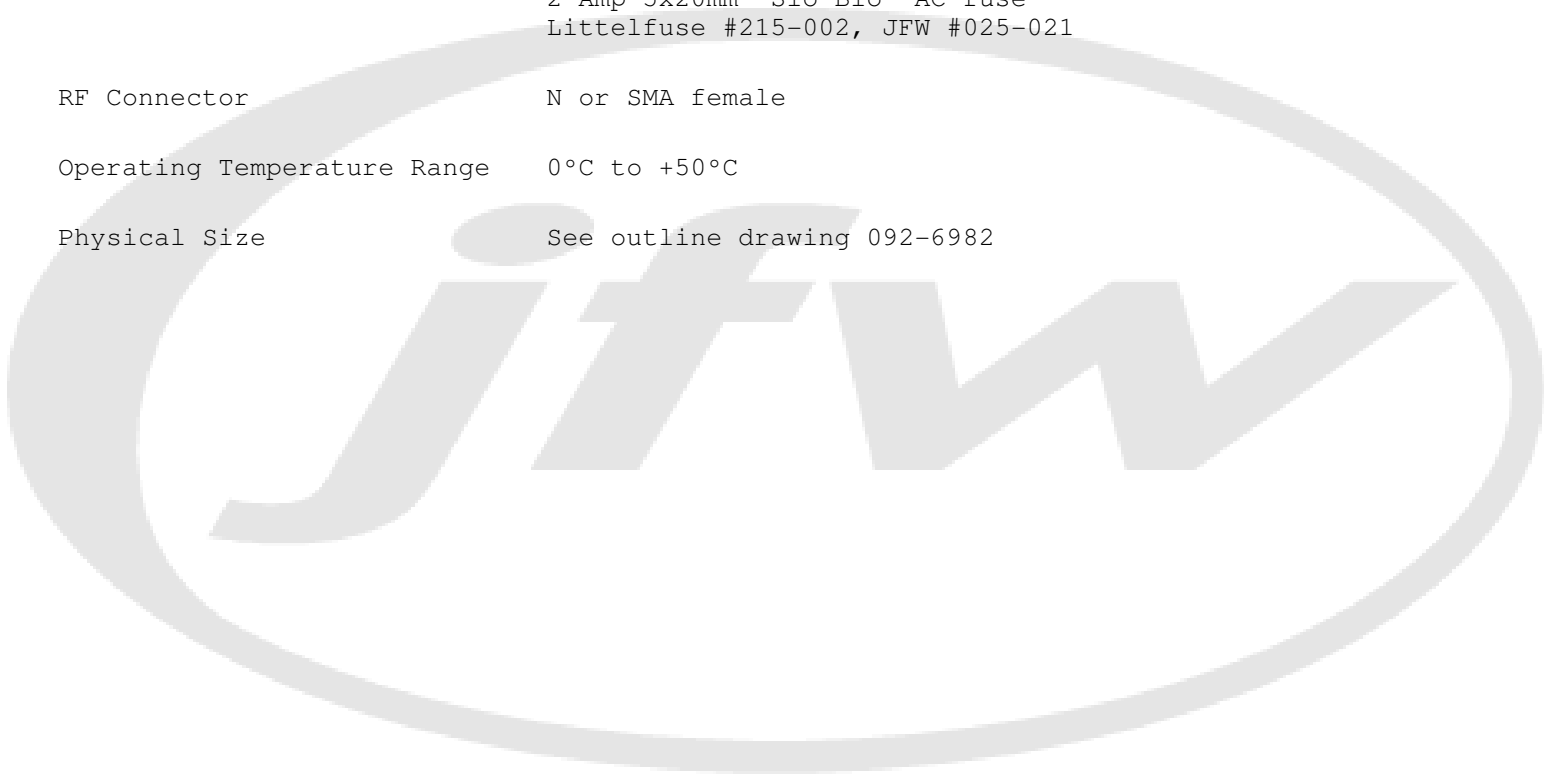
N or SMA female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-6982



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/31/2011		TRS 05/31/2011	25671	08/19/2015	C	TRS 08/19/2015
20554	09/08/2011	A	CLK 09/08/2011	34059	03/31/2025	D	TRS 03/31/2025
24239	12/05/2014	B	TRS 12/05/2014				