

**SPECIFICATION SHEET**  
**JFW MODEL 50PMA-045**  
**TRANSCEIVER TEST SYSTEM**

JFW Industries, Inc.  
Phone: 317-887-1340  
sales@jfwindustries.com  
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 ATTEN 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	18 dB maximum 16 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)
AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-002, JFW #025-021
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)

**--CONTINUED--**

**SPECIFICATION SHEET**  
**JFW MODEL 50PMA-045**  
**TRANSCEIVER TEST SYSTEM**

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

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

RF Connector

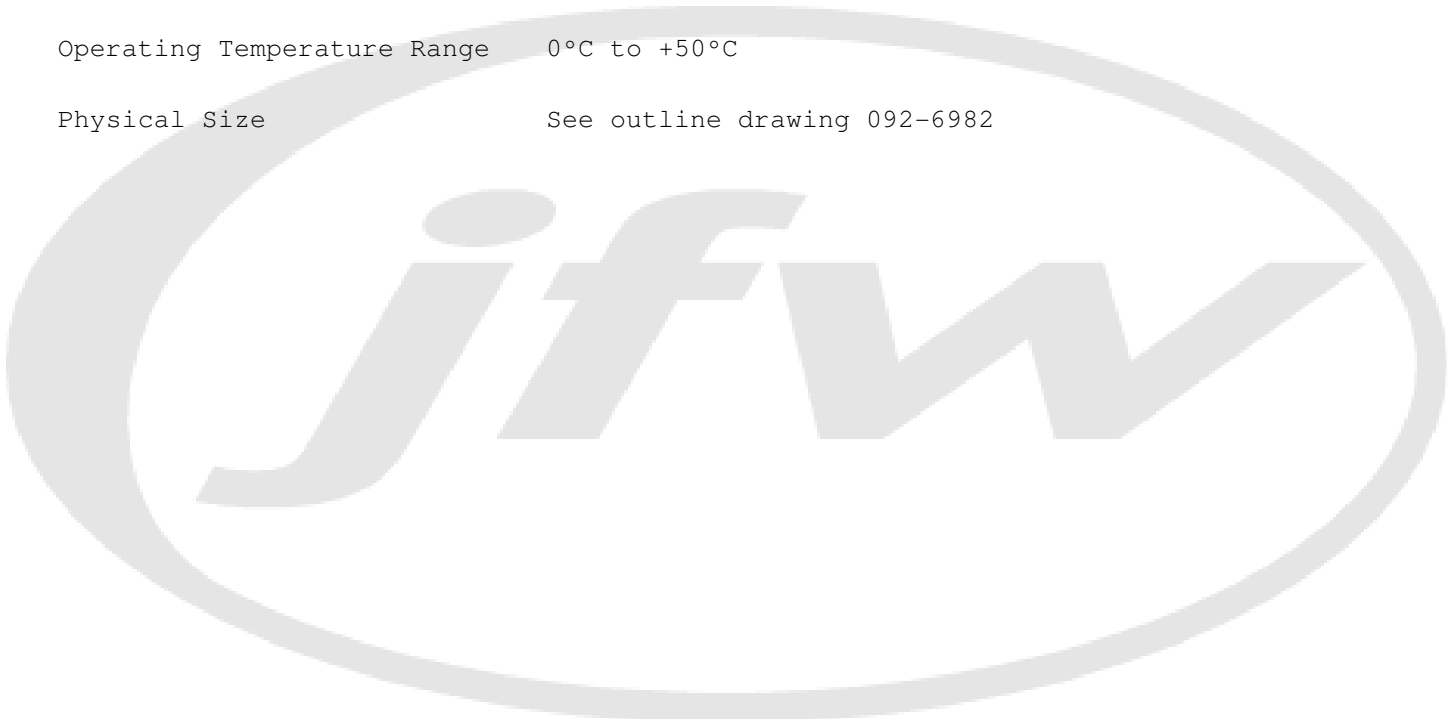
N or SMA female

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				
24239	12/05/2014	B	TRS 12/05/2014				