

SPECIFICATION SHEET
JFW MODEL 50PMA-155
TRANSCEIVER TEST SYSTEM

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

Frequency Range	350-6000 MHz
Configuration	12 Port Transceiver Test System (See block diagram 092-7585)
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) Maximum attenuation (see ATTN command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	1.9:1 maximum 350-500 MHz 1.7:1 maximum 500-6000 MHz 1.6:1 typical 350-500 MHz 1.4:1 typical 500-6000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater)
Insertion Loss	52 dB maximum 47 dB typical
Power Divider Isolation	13 dB minimum 350-500 MHz 21 dB minimum 500-6000 MHz 14.5 dB typical @ 350 MHz 17.0 dB typical @ 400 MHz 22.6 dB typical @ 500 MHz 26.0 dB typical @ > 500 MHz
RF Input Power	+30 dBm
Switching Speed	4 microseconds (after command 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)

--CONTINUED--

SPECIFICATION SHEET
JFW MODEL 50PMA-155
TRANSCEIVER TEST SYSTEM

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

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

Operating Temperature Range

0°C to +50°C

AC Supply

100-240 VAC @ 47-63 Hz

Outline Drawing Numbers

092-7963 (SMA)
092-7304 (N)
092-9962 (TNC)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/17/2020		TRS 06/17/2020				
32177	10/13/2022	A	CLK 10/13/2022				