

SPECIFICATION SHEET
JFW MODEL 50PMA-198
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
Phone: 317-887-1340
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Frequency Range	30-3000 MHz
Configuration	4 Port Transceiver Test System with 1 RF Hub (See Block Diagram 092-8012) (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	0-95 dB in 1 dB steps (solid-state step attenuator)
VSWR	2.0:1 maximum 1.7:1 typical
Insertion Loss	27.5 dB maximum 26.0 dB typical
Attenuation Accuracy	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
RF Input Power	+27 dBm
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)
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

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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.

AC Supply

100-240 VAC @ 47-63 Hz

RF Connector

N or SMA female

Temperature Range

Operating: 0°C to +70°C
Storage: -55°C to +85°C

Physical Size

See outline drawing 092-7961



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/31/2025		TRS 03/31/2025				