

SPECIFICATION SHEET
JFW MODEL 50PMA-075
TRANSCEIVER TEST SYSTEM

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

Frequency Range	2-6 GHz
Configuration	6 Port Transceiver Test System (See Block Diagram 092-7697)
Impedance	50 Ohms nominal
VSWR	1.8:1 maximum
Insertion Loss	38 dB maximum
Attenuation Range	0-95 dB in 1 dB steps
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 or 4% 12-95 dB (whichever is greater)
Power Divider Isolation	20 dB minimum (Port to Port same divider)
RF Input Power	+30 dBm average
Switching Speed	4 microseconds typical (after command is received & processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz 0.2 Amps @ 120 VAC nominal 0.1 Amps @ 120 VAC nominal
Remote Control	RS-232 (9600, 19200, or 38400 Baud) Ethernet (TCP, 10/100, up to 4 users)
Manual Control	20-button keypad and backlit LCD display

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Remote Commands

Attenuator Control Commands:
Set Path, Read Path, Set Attenuator,
Set Attenuator with Response, Read
Attenuator, Set All
Attenuators, Read All Attenuators, Set
Multiple Attenuator, Fade Attenuator,
Variable Handover, Store, Recall

System Commands:
Identification, Pause
-RS-232 Only: Change Baud
-Ethernet Only: Disconnect, Close,
Message, Clear

RF Connector

N, SMA or TNC female

Temperature Range

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

Physical Size

See outline drawing 092-6472 (SMA)
092-7696 (TNC)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
28159	05/01/2013 10/05/2017	A	CLK 05/01/2013 CLK 10/05/2017				