

SPECIFICATION SHEET
JFW MODEL 50PMA-074
TRANSCEIVER TEST SYSTEM

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

Frequency Range 30-3000 MHz

Configuration 6 Port Transceiver Test System
(See Block Diagram 092-7697)
(all ports are bi-directional)
(full fan-out i.e. every path has its own attenuator)
(the ADMIN password is located on rear panel)

Enclosure Type 19 inch rack mount @ 3RU high

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)
DHCP enabled (see NET command)
4 Ethernet users (see NET USERS 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

VSWR 1.8:1 maximum

Attenuation Accuracy (guaranteed monotonic) ± 0.50 dB 1-7 dB
± 1.00 dB 8-11 dB
± 1.25 or 3% 12-95 dB
(whichever is greater)

Insertion Loss 38 dB maximum

RF Input Power +30 dBm average

Power Divider Isolation 20 dB minimum

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)

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)

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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

Temperature Range

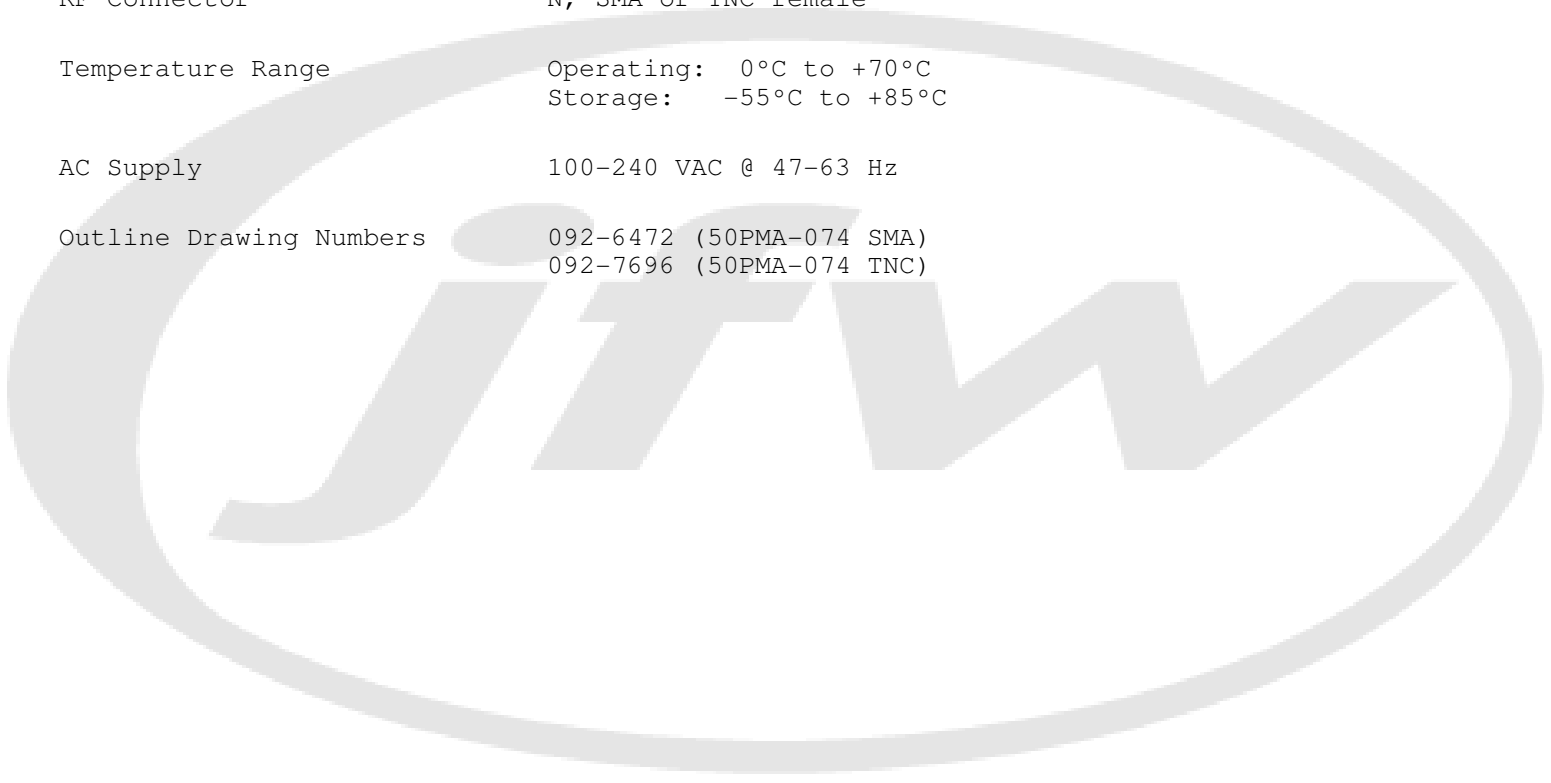
Operating: 0°C to +70°C
 Storage: -55°C to +85°C

AC Supply

100-240 VAC @ 47-63 Hz

Outline Drawing Numbers

092-6472 (50PMA-074 SMA)
 092-7696 (50PMA-074 TNC)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/01/2013		CLK 05/01/2013				
24239	01/08/2016	A	TRS 01/08/2016				
28159	10/05/2017	B	CLK 10/05/2017				