

SPECIFICATION SHEET
JFW MODEL 50PMA-074
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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|--|---|
| 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 | +20 dBm average |
| Power Divider Isolation | 20 dB minimum |
| Switching Speed | 1 microsecond 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

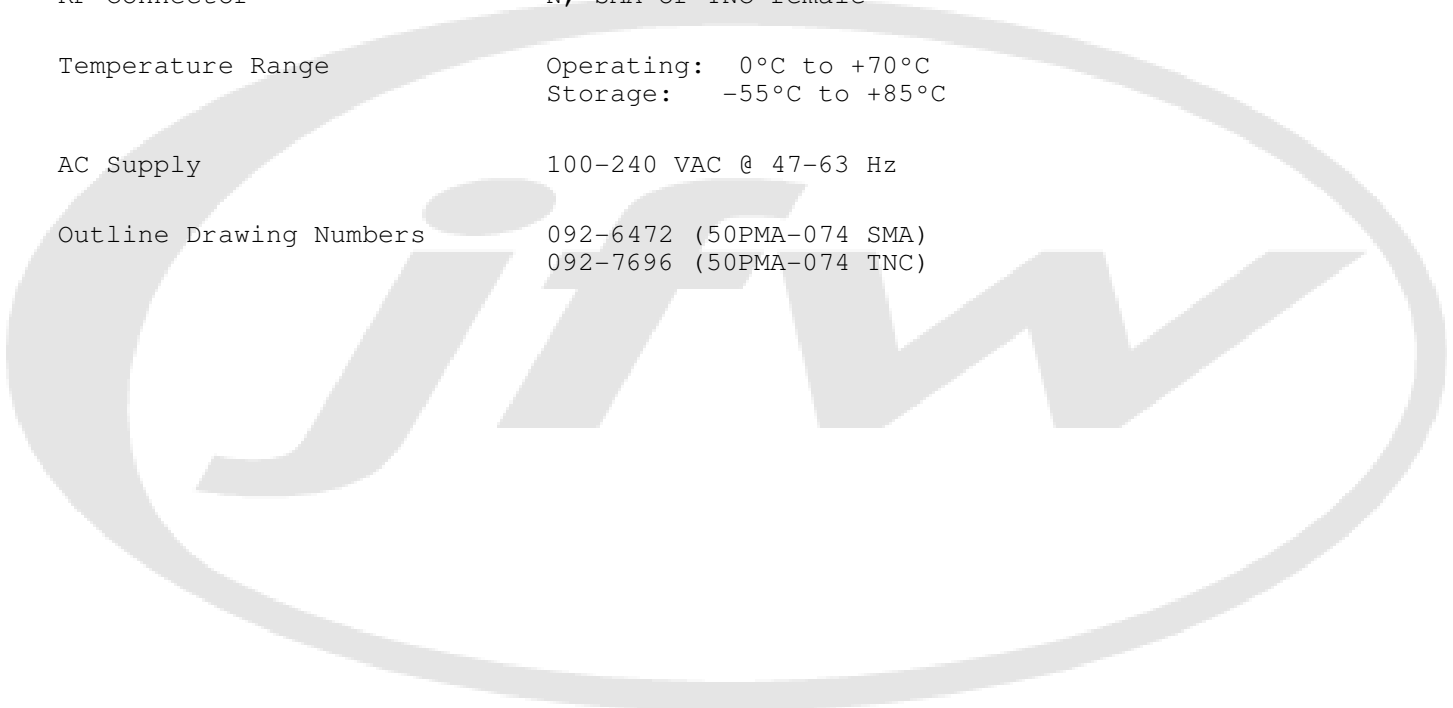
Operating: 0°C to +70°C
 Storage: -55°C to +85°C

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 | | | | |