

SPECIFICATION SHEET
JFW MODEL 50PMA-161
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	1-1000 MHz
Configuration	4 Port Transceiver Test System (See block diagram 092-6984) (all ports are bi-directional) (full 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
Startup/Default States (configurable)	Maximum attenuation (see ATTEN STARTUP command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	2.0:1 maximum 1-100 MHz 1.7:1 maximum 100-1000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 3% 12-95 dB (whichever is greater)
Insertion Loss	29 dB maximum 25 dB typical @ 1000 MHz
Power Divider Isolation	18 dB minimum 28 dB typical @ 250 MHz 22 dB typical @ 1000 MHz
RF Input Power	+23 dBm maximum
Switching Speed	4 microseconds (after command is 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)

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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

RF Connector

N or SMA female

AC Supply

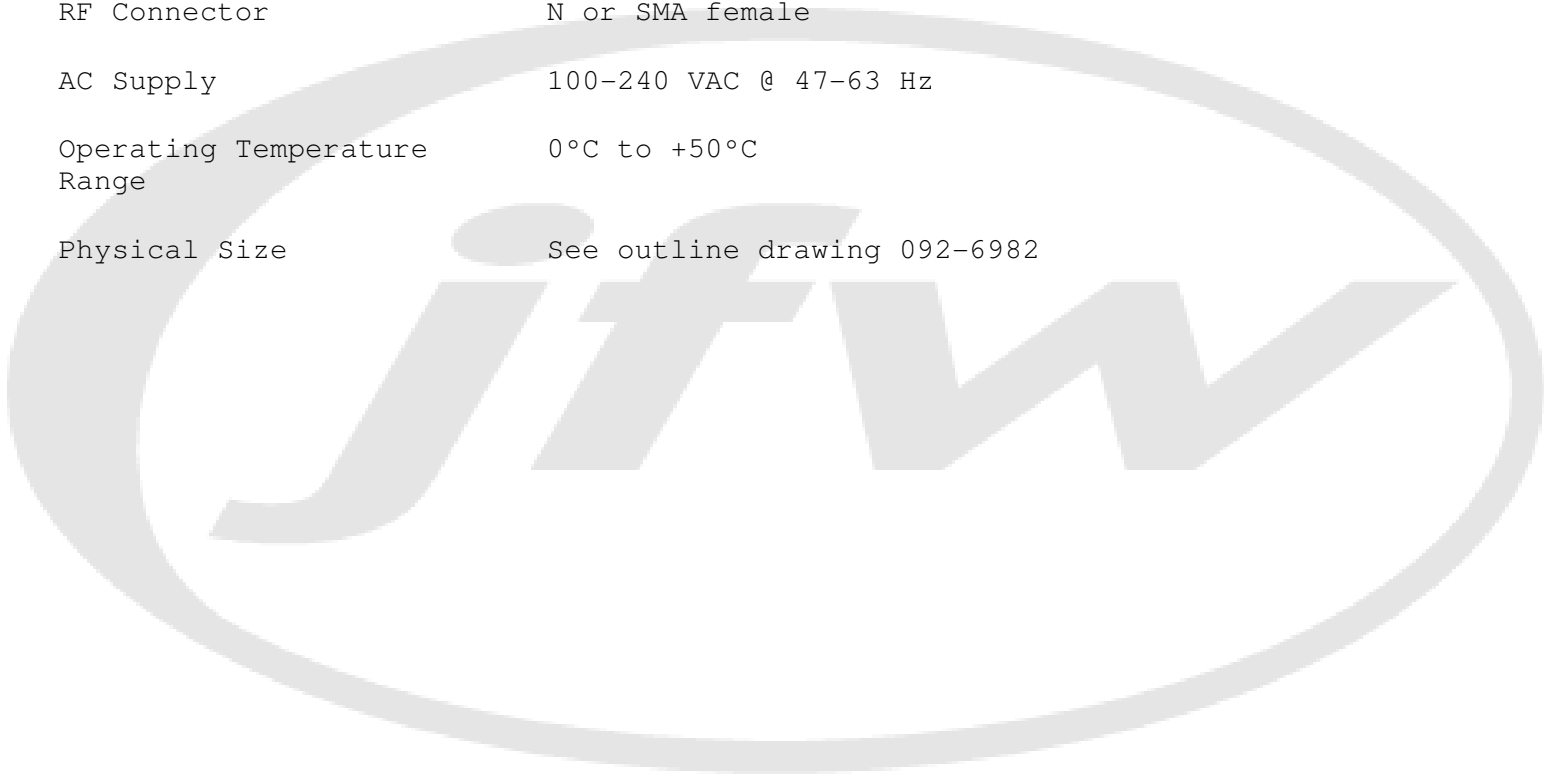
100-240 VAC @ 47-63 Hz

Operating Temperature
 Range

0°C to +50°C

Physical Size

See outline drawing 092-6982



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/08/2020		CLK 12/08/2020				
30989	03/08/2021	A	CLK 03/08/2021				