

SPECIFICATION SHEET
JFW MODEL 50PMA-076
TRANSCEIVER TEST SYSTEM

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

Frequency Range 2-6 GHz

Configuration 8 Port Transceiver Test System
(see block diagram 092-5910 for attenuator addressing)
(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 @ 4RU 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 1.7:1 maximum
1.6:1 typical

Insertion Loss 37.0 dB maximum
31.0 dB typical @ 2 GHz
35.0 dB typical @ 6 GHz

Attenuation Accuracy ± 0.50 dB 1-3 dB
± 1.00 dB 4-11 dB
± 1.25 or 4% 12-95 dB
(whichever is greater)
(guaranteed monotonic)

Power Divider Isolation 21 dB minimum

RF Input Power 1 Watt average

Switching Speed 4 microseconds typical
(after command is received and processed)
(3 milliseconds typical processing time)

AC Supply 100-240 VAC @ 47-63 Hz
4 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-004, JFW #025-018

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 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

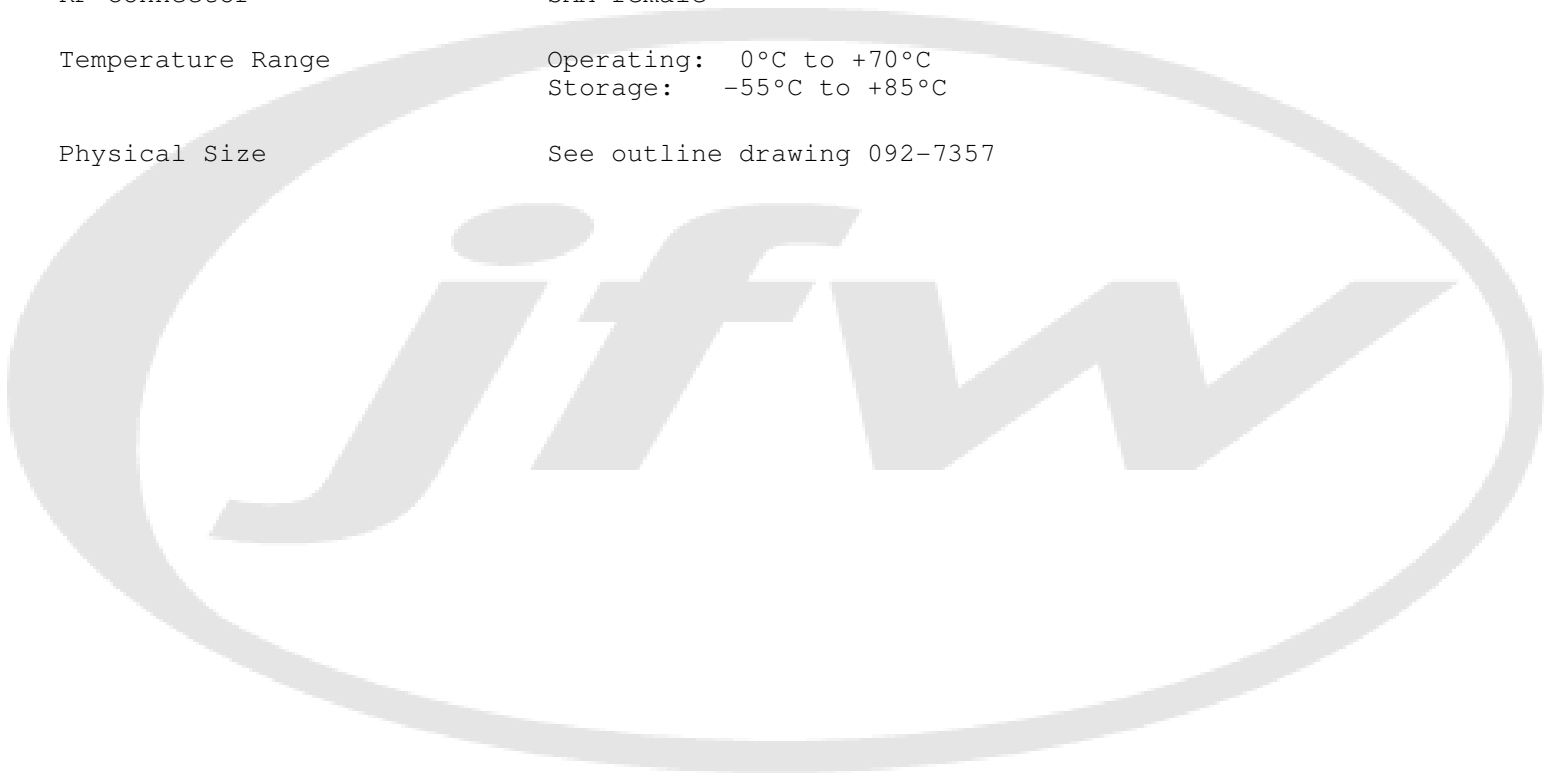
SMA female

Temperature Range

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

Physical Size

See outline drawing 092-7357



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/12/2013		BAC 06/12/2013				
24239	09/09/2014	A	TRS 09/09/2014				
28159	10/05/2017	B	CLK 10/05/2017				