SPECIFICATION SHEET
JFW MODEL 50PMA-179
TRANSCEIVER TEST SYSTEM

Frequency Range	2-30 MHz
Configuration	4 Port Transceiver Test System (See Block Diagram 092-6984) (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	Benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
VSWR	1.6:1 maximum 1.3:1 typical
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	23 dB maximum 22 dB typical
RF Input Power	+27 dBm average
Power Divider Isolation	35 dB minimum 40 dB typical
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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JFW FORM E-7-F REV F

SPECIFICATION SHEET

JFW MODEL 50PMA-179

TRANSCEIVER TEST SYSTEM

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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
Startup/Default States (configurable)	Attenuators to 95dB at startup (see ATTTEN 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
RF Connector	N female or SMA female
Operating Temperature Range	0°C to +50°C
AC Supply	100-240 VAC @ 47-63 Hz
Outline Drawing Numbers	092-7656 (50PMA-179 SMA) 092-8019 (50PMA-179 N)

ECR/ECN # DATE	REV APPR / DATE	ECR/ECN # DATE	REV APPR / DATE
11/02/2023	TRS 11/02/2023		