SPECIFICATION SHEET

JFW MODEL 50PA–780

PROGRAMMABLE ATTENUATOR ASSEMBLY

Frequency Range	700–3000 MHz
Configuration	Twenty–four individually controlled solid–state programmable attenuators
Enclosure Type	19 inch rack mount (4RU high for SMA female) (5RU high for N female)
Impedance	50 Ohms nominal
Attenuation Range	0–127 dB in 1 dB steps
Startup/Default States (configurable)	Maximum attenuation (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET 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	1.6:1 maximum
Attenuation Accuracy (guaranteed monotonic)	± 0.5 dB or 2% (whichever is greater)
Insertion Loss	6.5 dB maximum 2.8 dB @ 700 MHz typical 5.8 dB @ 3000 MHz typical
RF Input Power	+20 dBm average
Switching Speed	5 microseconds typical (after command 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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JFW FORM E-7-F REV F

SPECIFICATION SHEET

JFW MODEL 50PA−780

PROGRAMMABLE ATTENUATOR ASSEMBLY

JFW Industries, Inc.
Phone: 317−887−1340
sales@jfwindustries.com
www.jfwindustries.com

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
AC Supply	100−240 VAC @ 47−63 Hz 0.6 Amps @ 120 VAC nominal 0.4 Amps @ 240 VAC nominal 2 Amp 5x20mm "Slo−Blo" AC fuse Littelfuse#215-002, JFW#025-021
RF Connector	SMA or N female
Operating Temperature Range	0°C to +50°C
Outline Drawing Numbers	092−7621 (50PA−780 N) 092−7899 (50PA−780 SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/19/2013		CLK 02/19/2013	25773	09/24/2015	C	TRS 09/24/2015
22788	04/26/2013	A	CLK 04/26/2013				
24239	06/27/2014	B	TRS 06/27/2014				