SPECIFICATION SHEET

(configurable)

JFW MODEL 50PA-1002-XX

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range 100 MHz-40 GHz

Attenuation Range 0-31 dB in 1 dB steps

Configuration Individually controlled solid-state programmable

attenuators. Number of attenuators can be selected

from 1 to 16 attenuators.

Enclosure Type 19 inch rack mount

2RU high (for 1-16 attenuators)

Impedance 50 Ohms nominal

Startup/Default States Attenuators to 31dB at startup (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 typical 100 MHz-18 GHz 1.8:1 typical 18-26.5 GHz

2.0:1 typical 26.5-40 GHz 2.8:1 maximum 100MHz-40 GHz

Attenuation Accuracy ± 1.0 dB typical 100 MHz-18 GHz

(Referenced to Insertion \pm 1.5 dB typical 18-26.5 GHz loss) \pm 2.0 dB typical 26.5-40 GHz

± 3.5 dB maximum 100 MHz-40 GHz

Insertion Loss 1.8 dB typical @ 100 MHz

3.0 dB typical @ 3 GHz 4.5 dB typical @ 8 GHz 6.5 dB typical @ 18 GHz 8.5 dB typical @ 26.5 GHz 9.5 dB typical @ 40 GHz

RF Input Power +20 dBm average

+25 dBm (0.1dB compression)

Switching Speed 1 microsecond typical

(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)

--CONTINUED--

Page 1 of 2 JFW FORM E-7-F REV F

SPECIFICATION SHEET JFW MODEL 50PA-1002-XX 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

RF Connector 2.92mm female

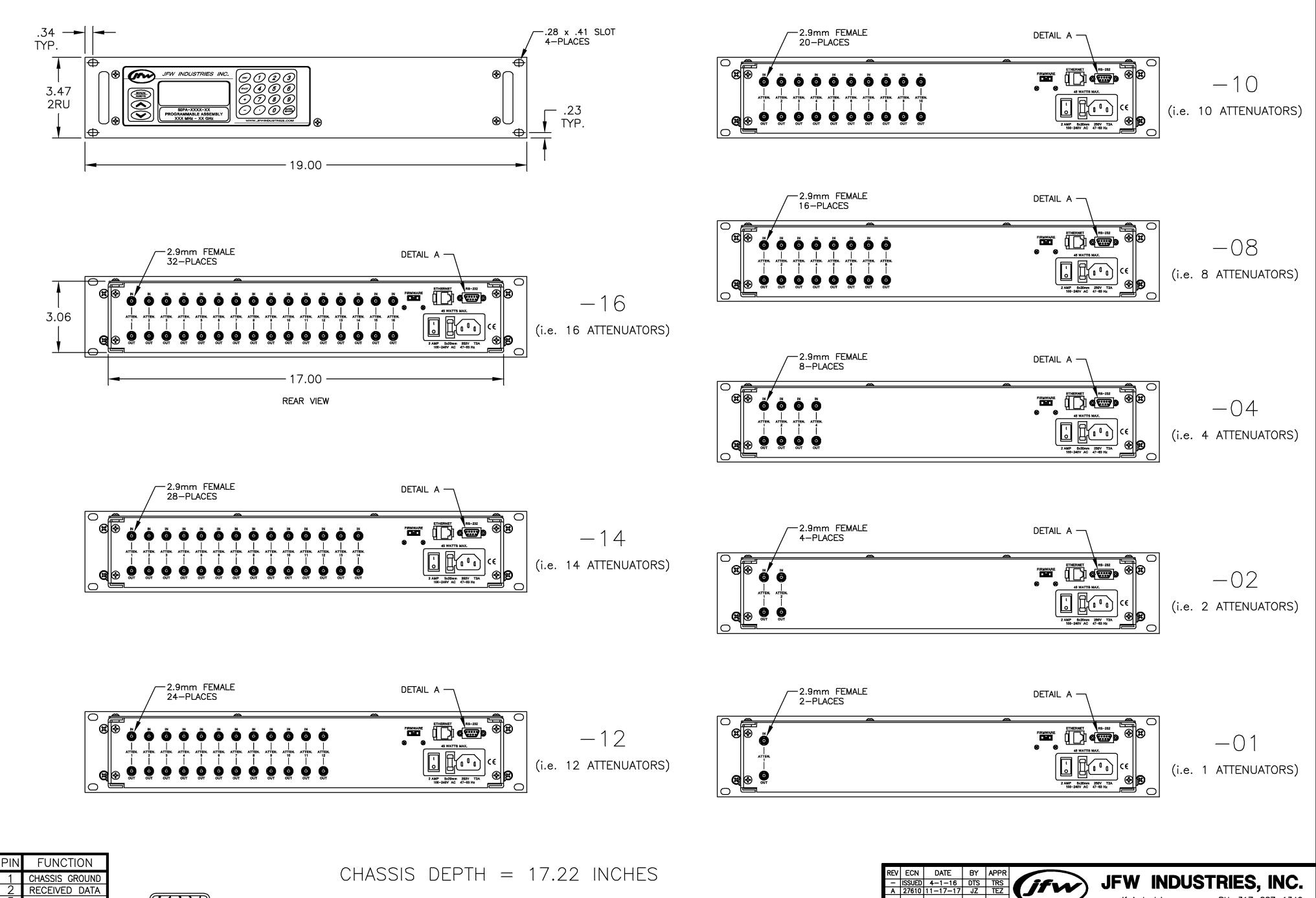
Operating Temperature Range 0°C to +50°C

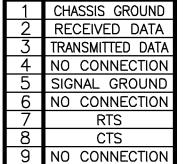
AC Supply 100-240 VAC @ 47-63 Hz

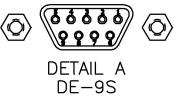
Physical Size See Outline Drawing 092-8602

ECR/ECN # DATE	REV	APPR / DATE	ECR/ECN # DATE	REV APPR / DATE
04/01/2016		TRS 04/01/2016		
26884 07/28/2016	A	BAC 07/28/2016		

Page 2 of 2 JFW FORM E-7-F REV F







NOTE:
ALL REAR PANELS ARE SCREENED FOR SIXTEEN
ATTENUATORS TO ALLOW FOR FUTURE EXPANSION.
ONLY USED SECTIONS ARE SHOWN FOR CLARITY.

REV	ECN	DATE	BY	APPR	JEW MINISTRIES MA
ı	ISSUED	4-1-16	DTS	TRS	JFW INDUSTRIES, INC.
Α	27610	11-17-17	JΖ	TEZ	
					www.jfwindustries.com PH: 317-887-1340
					,
					MATERIAL ALUMINUM ALLOY PROPRIETARY INFORMATION
					FINISH CHEMFILM TCP / FRONT: BLACK ALL SURFACES ARE TO BE FREE
					or Bolks, Fits, & Scivilones
					MODEL 50PA-XXXX-XX SCALE 3/8 VY+ 010 VYY+ 015 VY+ 5
					/ J.XXX.010 .XXXX.005 XX E.5
					DESCRIPTION DWG #
					PROGRAMMABLE ASSEMBLY 092-8602
					FINOGRAMIMABLE ASSEMBLE 092-8002