SPECIFICATION SHEET

JFW MODEL 50PA-1019-XX

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range 100 MHz-40 GHz 0-62 dB in 1 dB steps Attenuation Range 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) 50 Ohms nominal Impedance Startup/Default States Attenuators to 62dB at startup (see ATTEN command) (configurable) 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 100MHz-18 GHz 1.8:1 typical 18-26.5 GHz 2.2:1 typical 26.5-40 GHz 2.8:1 maximum 100MHz-40 GHz 0-31dB Attenuation Accuracy (Referenced to Insertion ± 1.0 dB typical 100MHz-18 GHz ± 1.5 dB typical 18-26.5 GHz ± 2.0 dB typical 26.5-40 GHz loss) ± 3.5 dB maximum 100MHz-40 GHz 31-48dB \pm 2.0 dB typical 100MHz-18 GHz \pm 2.0 dB typical 18-26.5 GHz \pm 4.0 dB typical 26.5-40 GHz ± 5.0 dB maximum 100MHz-40 GHz 49-62dB ± 3.0 dB typical 100MHz-18 GHz ± 3.0 dB typical 18-26.5 GHz ± 4.0 dB typical 26.5-40 GHz \pm 8.0 dB maximum 100MHz-40 GHz 4.0 dB typical @ 100MHz Insertion Loss 5.5 dB typical @ 3 GHz

+25 dBm (0.1dB compression)

RF Input Power

--CONTINUED--

+20 dBm average

8.0 dB typical @ 8 GHz 11.5 dB typical @ 18 GHz 15.0 dB typical @ 26.5 GHz 18.0 dB typical @ 40 GHz

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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)

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

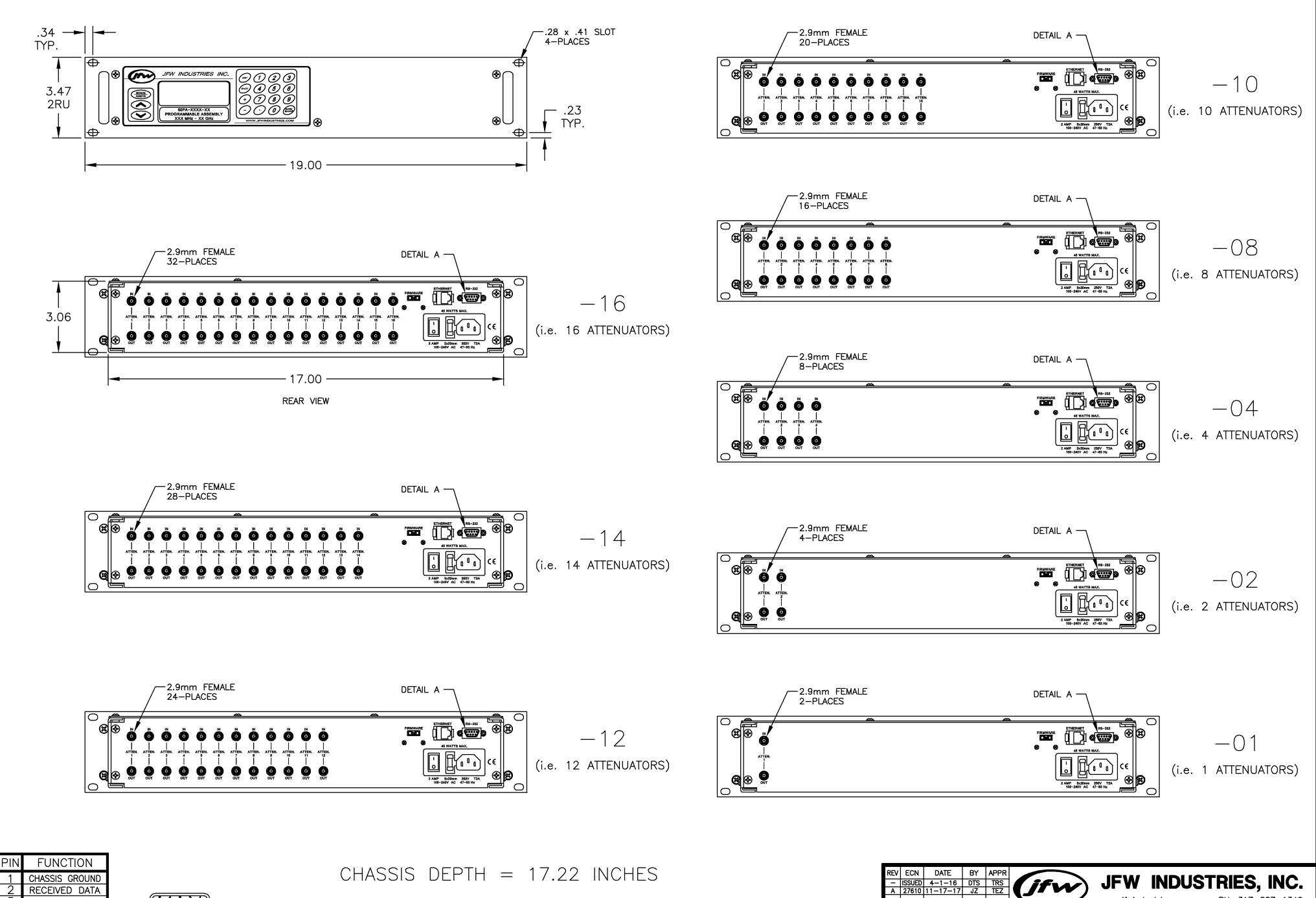
RF Connector 2.92mm female

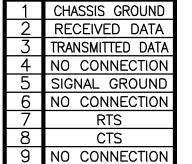
Operating Temperature Range 0°C to +50°C

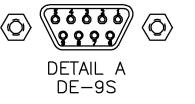
AC Supply 100-240 VAC @ 47-63 Hz

Physical Size See Outline Drawing 092-8602

ECR/ECN # DATE	REV APPR / DATE	ECR/ECN # DATE	REV APPR / DATE
11/11/2016	BAC 11/11/2016		







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