

**SPECIFICATION SHEET**

**JFW MODEL 50PA-839**

**PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-6000 MHz
Configuration	Eight individually controlled solid-state programmable attenuators
Manual Control & Display	Momentary Lever Switches with 7-Segment LED Displays (current dB settings displayed at all times) (each attenuator has its own lever switch) (tap lever to step, hold lever to jog) (jog speed range is 0-10) (jog speed set to 0 will disable all levers)
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
VSWR	2.0:1 maximum
Attenuation Accuracy (guaranteed monotonic)	$\pm 0.50$ dB      1-3 dB $\pm 0.75$ dB      4-7 dB $\pm 1.00$ dB      8-11 dB $\pm 1.25$ dB or 4% 12-95 dB (whichever is greater)
Insertion Loss	8.8 dB maximum 4.0 dB typical @ 200 MHz 4.5 dB typical @ 700 MHz 8.2 dB typical @ 6000 MHz
RF Input Power*	+27 dBm average +33 dBm (no damage)
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
Remote Control	RS-232 (9600, 19200, or 38400 Baud) Ethernet (TCP, 10/100, up to 4 users)
Remote Commands	Attenuator Control Commands: Set Attenuator, Set Attenuator with Response, Read Attenuator, Set All Attenuators, Read All Attenuators, Set Multiple Attenuator, Fade Attenuator, Variable Handover, Store, Recall  System Commands: Identification, Pause, Set Manual Speed -RS-232 Only: Change Baud -Ethernet Only: Disconnect, Close, Message, Clear

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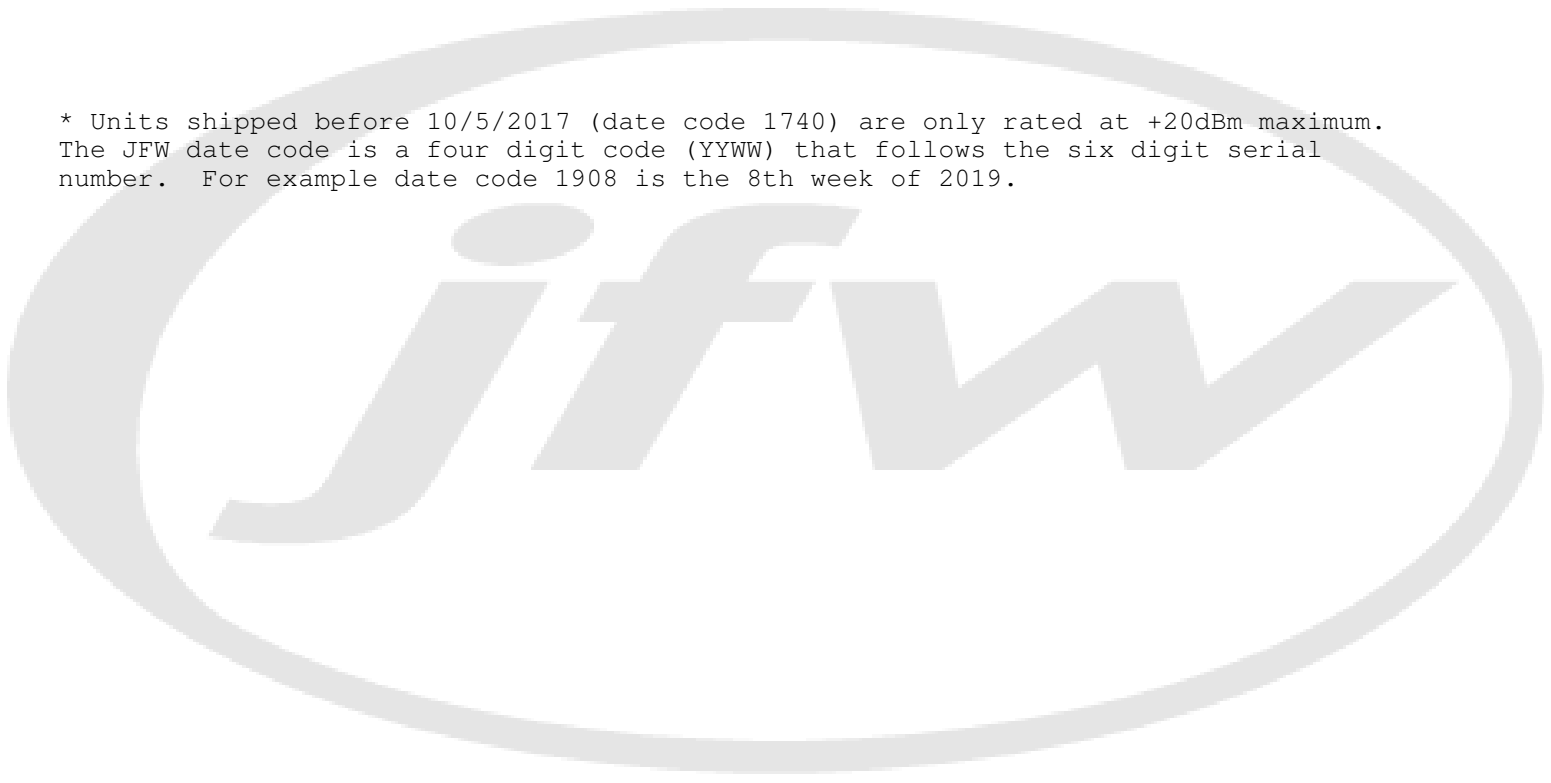
RF Connector SMA or N female

AC Supply 100-240 VAC @ 47-63 Hz  
0.2 Amps @ 120 VAC nominal  
0.1 Amps @ 240 VAC nominal

Operating Temperature Range 0°C to +50°C

Physical Size See outline drawing 092-7849 (SMA)  
092-7848 (N)

\* Units shipped before 10/5/2017 (date code 1740) are only rated at +20dBm maximum. The JFW date code is a four digit code (YYWW) that follows the six digit serial number. For example date code 1908 is the 8th week of 2019.



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/21/2013		CLK 10/21/2013	28495	02/09/2018	C	TRS 02/09/2018
27084	09/16/2016	A	TRS 09/16/2016	29857	10/02/2019	D	TRS 10/03/2019
28159	10/05/2017	B	CLK 10/05/2017				