

SPECIFICATION SHEET
JFW MODEL 50PA-405
PROGRAMMABLE ATTENUATOR ASSEMBLY

JFW Industries, Inc.
Phone: 317-887-1340
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Frequency Range	DC-18 GHz
Configuration	Four relay programmable attenuators
Impedance	50 Ohms nominal
Attenuation Range	0-81 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 4, 10, 20, and 40 dB
Attenuation Repeatability (each individual cell)	± 0.01 dB typical after 5 millions cycles
Individual Cell Accuracy	1 dB ± 0.3 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 2 dB ± 0.3 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 4 dB ± 0.4 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 10 dB ± 0.5 dB DC-12.4 GHz ± 0.6 dB 12.4-18 GHz 20 dB ± 0.7 dB DC-12.4 GHz ± 0.8 dB 12.4-18 GHz 40 dB ± 1.2 dB DC-12.4 GHz ± 1.6 dB 12.4-18 GHz
VSWR	1.3:1 typical DC-8 GHz 1.5:1 typical 8-12.4 GHz 1.8:1 typical 12.4-18 GHz
Insertion Loss	2.1 dB typical @ 4 GHz 2.8 dB typical @ 8 GHz 4.7 dB typical @ 18 GHz
Maximum RF Input Power	1 Watt average
Switching Speed	20 milliseconds
Control	GPIB
RF Connector	SMA female
Operating Temperature Range	0°C to 50°C
AC Supply	100-240 VAC @ 47-63 Hz

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Physical Size

See outline drawing 092-5737



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/10/2008		TRS 03/10/2008				
16283	09/04/2008	A	TRS 09/04/2008				