

**SPECIFICATION SHEET**  
**JFW MODEL 75P-163**  
**RELAY PROGRAMMABLE ATTENUATOR**

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Frequency Range	DC-1000 MHz
Impedance	75 Ohms nominal
Attenuation Range	0-63.75 dB in 0.25 dB steps
Attenuation Steps	0.25, 0.5, 1, 2, 4, 8, 16, and 32 dB
VSWR	1.4:1 maximum
Attenuation Accuracy	0.25 dB                   ± 0.05 dB 0.5, 1, and 2 dB       ± 0.1 dB 4 and 8 dB             ± 0.2 dB 16 dB                   ± 0.3 dB 32 dB                   ± 0.4 dB Accumulated Error   ± 0.5 dB or 1.5% (whichever is greater)
Insertion Loss	2.2 dB maximum 0.75 dB typical at 500 MHz 1.50 dB typical at 1000 MHz
RF Input Power	0.5 Watts average
Switching Speed	6 milliseconds
Control (8 lines)	+12 Vdc @ 15 mA per relay (8 relays total)
DC Connector	Solder Terminals
RF Connector	BNC, F, N, or TNC female
Operating Temperature Range	-20°C to +85°C
Physical Size	See outline drawing 092-5413

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