

SPECIFICATION SHEET

JFW MODEL 50P-591

RELAY PROGRAMMABLE ATTENUATOR

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Frequency Range DC-3000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-85 dB in 1 dB steps

Attenuation Steps 1, 2, 4, 8, 10, 20, and 40 dB

VSWR 1.5:1 maximum
1.4:1 typical

Attenuation Accuracy ± .3 dB or 0.5% DC-500 MHz
± .4 dB or 1.0% 500-1000 MHz
± .5 dB or 1.0% 1000-2000 MHz
± .6 dB or 1.5% 2000-3000 MHz
(whichever is greater)

Insertion Loss 3.0 dB maximum DC-1000 MHz
4.0 dB maximum 1000-2000 MHz
5.0 dB maximum 2000-3000 MHz

Repeatability ± 0.05 dB @ 2.0 GHz typical
± 0.10 dB @ 2.5 GHz typical
± 0.15 dB @ 3.0 GHz typical

RF Input Power 1 Watt average

Switching Speed 6 milliseconds

Control +12 Vdc @ 30 mA per relay

Lifetime (typical) 10 million cycles per relay

DC Connector Solder terminals

RF Connector N, TNC or SMA female

Operating Temperature Range -40°C to +95°C

Physical Size See outline drawing 092-1285

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/27/1989			27192	10/24/2016	C	CLK 10/24/2016
9999	10/05/2002	A	TRS 10/24/2002	30049	12/09/2019	D	CLK 12/09/2019
11007	04/13/2005	B	CLK 04/13/2005				