

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 | 2.5 dB maximum DC-1000 MHz 3.5 dB maximum 1000-2000 MHz 4.5 dB maximum 2000-3000 MHz |
| 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 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 | | | | | | |
| 9999 | 10/05/2002 | A | TRS 10/24/2002 | | | | |
| 11007 | 04/13/2005 | B | CLK 04/13/2005 | | | | |