

SPECIFICATION SHEET
JFW MODEL 50S-1422
1P2T SOLID STATE RF SWITCH

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|-----------------------------|--|
| Frequency Range | 100-500 MHz |
| Configuration | 1P2T |
| Impedance | 50 Ohms nominal |
| VSWR | 1.25:1 maximum |
| Insertion Loss | 0.5 dB maximum |
| Isolation | 55 dB minimum |
| Switching Speed | 40 microseconds (50% TTL to 10% or 90% RF) |
| RF Input Power | 250 Watts average (cold switch) 500 Watts peak (1usec pulse) 100 Watts average (hot switch*) |
| Control (1 line) | TTL Low for J1-COM TTL High for J2-COM (off port is reflective) |
| DC Supply | +15 Vdc @ 250 mA +5 Vdc @ 40 mA |
| RF Connector | BNC, SMA, TNC or N female |
| Operating Temperature Range | -20°C to +70°C |
| Storage Temperature Range | -55°C to +85°C |
| Physical Size | See outline drawing 092-3022 |

* If switch rate exceeds 1000 cycles per second, external heatsinking will be required to maintain a maximum case temperature of +70°C.

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
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