1P2T REFLECTIVE SOLID STATE RF SWITCH

**SPECIFICATION SHEET**

**JFW MODEL 50S-1422**

**1P2T REFLECTIVE SOLID STATE RF SWITCH**

Frequency Range: 100-500 MHz

Configuration: 1P2T Reflective

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 (N)
  092-5245 (SMA)

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