

SPECIFICATION SHEET**JFW MODEL 50S-1887****1P2T REFLECTIVE SOLID STATE RF SWITCH**

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Description This model is available in two mounting styles:
1. Plug-in style (50S-1887 PC)
2. Surface mount (50S-1887 SMT)

Frequency Range 225-400 MHz

Configuration 1P2T Reflective

Impedance 50 Ohms nominal

VSWR 1.15:1 typical
1.30:1 maximum

Insertion Loss 0.3 dB typical
0.5 dB maximum

Isolation 55 dB typical
45 dB minimum

Switching Speed 10 microseconds maximum
(50% TTL to 10% or 90% RF)

RF Input Power 100 Watts average (Cold switch)
500 Watts peak (1 usec pulse)

20 Watts average (Hot switch)

Control Logic (1 Line) TTL "Low" (0-0.8V) for common to J1
TTL "High" (2.0-5.0V) for common to J2

DC Supply +15 Vdc @ 250 mA nominal
and
+5 Vdc @ 50 mA nominal

RF Connector Plug-in Printed Circuit or SMT

DC Connector Plug-in Printed Circuit or SMT

Operating Temperature Range 0°C to +70°C

Storage Temperature Range -55°C to +85°C

Outline Drawing Numbers 092-6633 (50S-1887 PC)
092-6682 (50S-1887 SMT)

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