

SPECIFICATION SHEET**JFW MODEL 50S-1772+XX****1P2T FAILSAFE REFLECTIVE ELECTROMECHANICAL RF SWITCH**

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Frequency Range DC-40 GHz

Configuration 1P2T Failsafe Reflective

Impedance 50 Ohms nominal

VSWR
1.3:1 maximum DC-6 GHz
1.4:1 maximum 6-12 GHz
1.5:1 maximum 12-18 GHz
1.7:1 maximum 18-26.5 GHz
2.0:1 maximum 26.5-40 GHz

Insertion Loss
0.3 dB maximum DC-6 GHz
0.4 dB maximum 6-12 GHz
0.5 dB maximum 12-18 GHz
0.7 dB maximum 18-26.5 GHz
1.0 dB maximum 26.5-40 GHz

Isolation
70 dB minimum DC-6 GHz
60 dB minimum 6-12 GHz
60 dB minimum 12-18 GHz
55 dB minimum 18-26.5 GHz
50 dB minimum 26.5-40 GHz

Switching Speed 15 milliseconds

RF Input Power
80 Watts average DC-6 GHz
60 Watts average 6-12 GHz
50 Watts average 12-18 GHz
25 Watts average 18-26.5 GHz
10 Watts average 26.5-40 GHz

Control (1 line) +XX is either +12, +15, +24 or +28:

+12 Vdc @ 185 mA nominal (11-14 Vdc)
+15 Vdc @ 160 mA nominal (13-17 Vdc)
+24 Vdc @ 120 mA nominal (20-28 Vdc)
+28 Vdc @ 90 mA nominal (24-32 Vdc)

Lifetime 1 million cycles minimum

Weight 1.3 oz. nominal

DC Connector Solder Terminals

RF Connector 2.9mm female

Temperature Ranges
-25°C to +65°C (operating)
-55°C to +85°C (storage)

Physical Size See outline drawing 092-8603

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