

SPECIFICATION SHEET

JFW MODEL 50S-1619+XX

**1P8T SELF TERMINATING LATCHING ELECTROMECHANICAL
RF SWITCH**

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Frequency Range DC-18 GHz

Configuration 1P8T Self Terminating Latching (Self Cutoff)

Impedance 50 Ohms nominal

VSWR 1.20:1 maximum DC-4 GHz
1.30:1 maximum 4-8 GHz
1.40:1 maximum 8-12.4 GHz
1.50:1 maximum 12.4-18 GHz

Insertion Loss 0.20 dB maximum DC-4 GHz
0.30 dB maximum 4-8 GHz
0.40 dB maximum 8-12.4 GHz
0.50 dB maximum 12.4-18 GHz

Isolation 80 dB minimum DC-4 GHz
75 dB minimum 4-8 GHz
70 dB minimum 8-12.4 GHz
60 dB minimum 12.4-18 GHz

Switching Speed 15 milliseconds

RF Input Power 100 Watts average DC-4 GHz
80 Watts average 4-8 GHz
60 Watts average 8-12.4 GHz
50 Watts average 12.4-18 GHz
(Internal terminations rated at 2W)

DC Supply (+ COM) +XX can be +12,+15,+24 or +28

+12Vdc(11-14V) @ 550 mA nominal
+15Vdc(13-17V) @ 450 mA nominal
+24Vdc(20-28V) @ 280 mA nominal
+28Vdc(24-32V) @ 240 mA nominal

Control (8 lines) Apply GND to control pin corresponding to
desired RF port for a minimum of 15msec to set
position.

DC Connector Solder Terminals

RF Connector SMA female

Operating Temperature Range -25°C to +65°C

Physical Size See outline drawing 092-6337

Add (-NR) for NON-RoHS version. (I.e. 50S-1619+12-NR SMA)

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