

SPECIFICATION SHEET

JFW MODEL 50S-3019+XX

1P4T LATCHING REFLECTIVE ELECTROMECHANICAL RF SWITCH

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Frequency Range DC-18 GHz

Configuration 1P4T Latching Reflective (Self-Cut off)

Impedance 50 Ohms nominal

VSWR 1.2:1 maximum DC-4 GHz
1.3:1 maximum 4-8 GHz
1.4:1 maximum 8-12.4 GHz
1.5:1 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 (Through Path Only) 200 Watts average DC-1000MHZ
100 Watts average 1-4GHZ
50 Watts average 4-8GHZ
35 Watts average 8-12.4GHz
25 Watts average 12.4-18GHz

Control (4 lines) (Self-cut off, current only pulled during switching) Pull control line to ground for 15 msec to set the position.

Place supply voltage on +V pin.

+XX is either +12,+15,+24 or +28:

+12 Vdc (11-14V) @ 570 mA nominal
+15 Vdc (13-17V) @ 365 mA nominal
+24 Vdc (20-28V) @ 225 mA nominal
+28 Vdc (24-32V) @ 180 mA nominal

DC Connector Solder Terminals

RF Connector SMA female

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

Physical Size See outline drawing 092-9240

Note: Add (-NR) for NON-RoHS verion. (I.e. 50S-3019+12-NR SMA)

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