

**SPECIFICATION SHEET**

**JFW MODEL 50S-1854+XX**

**1P3T NORMALLY OPENED REFLECTIVE  
ELECTROMECHANICAL RF SWITCH**

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Frequency Range	DC-12.4 GHz
Configuration	1P3T Normally Open Reflective
Impedance	50 Ohms nominal
VSWR	1.25:1 maximum DC-4 GHz 1.35:1 maximum 4-8 GHz 1.70:1 maximum 8-12.4 GHz
Insertion Loss	0.30 dB maximum DC-4 GHz 0.40 dB maximum 4-8 GHz 0.70 dB maximum 8-12.4 GHz
Isolation	70 dB minimum DC-4 GHz 60 dB minimum 4-8 GHz 55 dB minimum 8-12.4 GHz
Switching Speed	20 milliseconds
RF Input Power	800 Watts average DC-100 MHz 500 Watts average 100-300 MHz 400 Watts average 300-500 MHz 300 Watts average 500-1000 MHz 250 Watts average 1-2 GHz 180 Watts average 2-4 GHz 125 Watts average 4-8 GHz 100 Watts average 8-12.4 GHz
Control (3 lines)	+XX is either +12, +24, or +28: ----- +12 Vdc @ 100 mA nominal on control line corresponding to desired port OR +24 Vdc @ 65 mA nominal on control line corresponding to desired port OR +28 Vdc @ 55 mA nominal on control line corresponding to desired port (ONLY ONE ACTIVE PORT AT A TIME)
DC Connector	Solder Terminals
RF Connector	N female
Operating Temperature Range	-25°C to +65°C
Physical Size	See outline drawing 092-6414

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