

**SPECIFICATION SHEET**

**JFW MODEL 50S-1773+XX**

**1P4T NORMALLY OPENED REFLECTIVE  
ELECTROMECHANICAL RF SWITCH**

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Frequency Range	DC-40 GHz
Configuration	1P4T Normally Open 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	20 milliseconds
RF Input Power	40 Watts average DC-6 GHz 30 Watts average 6-12 GHz 25 Watts average 12-18 GHz 15 Watts average 18-26.5 GHz 8 Watts average 26.5-40 GHz
Control (4 lines)	+XX is either +12, +15, +24 or +28: ----- +12 Vdc @ 325 mA nominal (11-14 Vdc) +15 Vdc @ 280 mA nominal (13-17 Vdc) +24 Vdc @ 190 mA nominal (20-28 Vdc) +28 Vdc @ 160 mA nominal (24-32 Vdc) on control line corresponding to desired port (Only one active port at a time)
Lifetime	1 million cycles minimum
Weight	4 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 092-8604

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	04/04/2016		TRS 04/04/2016				