

SPECIFICATION SHEET**JFW MODEL 50S-1612+XX****1P2T SELF TERMINATING LATCHING ELECTROMECHANICAL
RF SWITCH**

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Frequency Range	DC-18 GHz
Configuration	1P2T Self Terminating Latching (Self Cut-off)
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 GHz 1.50:1 maximum 12-18 GHz
Insertion Loss	0.20 dB maximum DC-4 GHz 0.30 dB maximum 4-8 GHz 0.40 dB maximum 8-12 GHz 0.50 dB maximum 12-18 GHz
Isolation	70 dB minimum DC-4 GHz 65 dB minimum 4-8 GHz 60 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz
Switching Speed	20 milliseconds
RF Input Power (cold switched)	100 Watts average DC-4 GHz 70 Watts average 4-8 GHz 60 Watts average 8-12 GHz 45 Watts average 12-18 GHz 2 Watts average for self termination
Control (2 lines) (Pin "1" - Sets J1) (Pin "2" - Sets J2) (Pin "-C" is GND)	Voltage must be applied to Pin "1" or "2" for 20msec minimum to set +XX is either +12, +15, +24 or +28: ----- +12Vdc @ 450 mA nom. (11-14Vdc range) +15Vdc @ 360 mA nom. (13-17Vdc range) +24Vdc @ 210 mA nom. (20-28Vdc range) +28Vdc @ 190 mA nom. (24-32Vdc range)
DC Connector	Solder Terminals
RF Connector	SMA female
Operating Temperature Range	-25°C to +65°C
Lifetime (typical)	5 million operations
Physical Size	See outline drawing 092-5552
Add (-NR) for NON-RoHS version. (I.e. 50S-1612+12-NR SMA)	

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/28/2007		BAC 08/28/2007	33155	02/06/2024	C	BAC 02/06/2024
16223	08/15/2008	A	CLK 08/15/2008	33456	07/16/2024	D	TRS 07/16/2024
17712	09/24/2009	B	BAC 09/24/2009				