

SPECIFICATION SHEET**JFW MODEL 50S-1614+XX-TTL****1P8T NORMALLY OPENED SELF TERMINATING
ELECTROMECHANICAL RF SWITCH**

JFW Industries, Inc.
Phone: 317-887-1340
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www.jfwindustries.com

Frequency Range	DC-18 GHz
Configuration	1P8T Normally Open Self Terminating
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	80 dB minimum DC-4 GHz 75 dB minimum 4-8 GHz 70 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz
Switching Speed	15 milliseconds
RF Input Power* (cold switched)	500 Watts average DC-100 MHz 400 Watts average 100-200MHz 300 Watts average 200-500MHz 200 Watts average 500-1000MHz 100 Watts average 1-4 GHz 90 Watts average 4-8 GHz 70 Watts average 8-12 GHz 60 Watts average 12-18 GHz *2 Watts average for self terminations
DC Supply	+XX can be +12, +15 or +28 ----- +12 Vdc @ 325 mA nominal (11-14Vdc) +15 Vdc @ 275 mA nominal (13-17Vdc) +28 Vdc @ 150 mA nominal (24-32Vdc)
Control (8 lines)	TTL "High" (2.0-5.0Vdc) on control line corresponding to desired active port. TTL "Low" (0.0-0.8Vdc) on all other lines.

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DC Connector	Solder Terminals
RF Connector	SMA female
Operating Temperature Range	-25°C to +65°C
Lifetime	1 million cycles minimum
Physical Size	See outline drawing 092-5604

Add (-NR) for NON-RoHS version. (I.e. 50S-1614+12-TTL-NR SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/16/2007		BAC 10/16/2007	33456	07/16/2024	C	TRS 07/16/2024
24842	01/07/2015	A	BAC 01/07/2015				
28937	08/08/2018	B	TRS 08/08/2018				