

**SPECIFICATION SHEET**

**JFW MODEL 50S-1443+XX**

**1P12T NORMALLY OPENED ELECTROMECHANICAL RF SWITCH**

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

Frequency Range	DC-18 GHz
Configuration	1P12T Normally Open
Impedance	50 Ohms nominal
VSWR	1.2:1 maximum DC-4GHz 1.4:1 maximum 4-8GHz 1.5:1 maximum 8-12GHz 1.8:1 maximum 12-18GHz
Insertion Loss	0.2 dB maximum DC-4GHz 0.4 dB maximum 4-8GHz 0.6 dB maximum 8-12GHz 0.8 dB maximum 12-18GHz
Isolation	70 dB minimum DC-4GHz 65 dB minimum 4-8GHz 60 dB minimum 8-12GHz 60 dB minimum 12-18GHz
Switching Speed	15 milliseconds
RF Input Power	300 Watts average DC-500MHZ 200 Watts average 500-1000MHZ 100 Watts average 1-4GHZ 90 Watts average 4-8GHz 70 Watts average 8-12GHz 60 Watts average 12-18GHz
Control (12 lines)	+12V, +15Vdc and +28Vdc available ----- +12 Vdc @ 325 mA nominal +15 Vdc @ 300 mA nominal +28 Vdc @ 130 mA nominal
Lifetime	1 million cycles minimum
Weight	7 oz. Nominal
DC Connector	Solder Terminals
RF Connector	SMA female
Operating Temperature Range	-20°C to +65°C

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Physical Size

See outline drawing 092-4898

Add (-NR) for NON-RoHS verion. (I.e. 50S-1443+12-NR SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/31/2006		BAC 03/31/2006				
14420	07/19/2007	A	TRS 07/19/2007				