SPECIFICATION SHEET

JFW MODEL 50S-1317+XX

1P8T NORMALLY OPENED REFLECTIVE ELECTROMECHANICAL RF SWITCH

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

Frequency Range	DC-18 GHz
Configuration	1P8T Normally Open Reflective
Impedance	50 Ohms nominal
VSWR	1.25:1 maximum DC-4GHz 1.35:1 maximum 4-8GHz 1.40:1 maximum 8-12GHz 1.50:1 maximum 12-16GHz 1.80:1 maximum 16-18GHz
Insertion Loss	0.2 dB maximum DC-4GHz 0.3 dB maximum 4-8GHz 0.4 dB maximum 8-12GHz 0.5 dB maximum 12-16GHz 0.8 dB maximum 16-18GHz
Isolation	70 dB minimum DC-4GHz 65 dB minimum 4-8GHz 60 dB minimum 8-12GHz 60 dB minimum 12-16GHz 55 dB minimum 16-18GHz
Switching Speed	15 milliseconds
RF Input Power	500 Watts average DC-100MHz 400 Watts average 100-200MHz 200 Watts average 200-1000MHz 100 Watts average 1-4GHz 90 Watts average 4-8GHz 70 Watts average 8-12.4GHz 60 Watts average 12.4-18GHz
Control (8 lines)	+XX is either +12, +15,+24 or +28: --- +12Vdc @ 285mA nominal (11-14Vdc range) +15Vdc @ 225mA nominal (13-17Vdc range) +24Vdc @ 140mA nominal (20-28Vdc range) +28Vdc @ 120mA nominal (24-32Vdc range)
Control Wiring	The control lines can be wired as Ground activated or Voltage activated. The control pins are not polarity sensitive. Only one port can be active at a time. Ground activated: "C" tied to +XX Vdc Each port then GND activated Voltage activated: "C" tied to GND Each port then +XX Vdc activated
DC Connector	Solder Terminals

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RF Connector	SMA female
Operating Temperature Range	-20°C to +65°C
Physical Size	See outline drawing 092-4188

Note: Add (-NR) for NON-RoHS version. (I.e. 50S-1317+12-NR SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/10/2007		BAC 07/10/2007	26548	04/15/2016	C	TRS 04/15/2016
19957	04/07/2011	A	TRS 04/07/2011	28823	06/25/2018	D	TRS 06/25/2018
23953	03/28/2014	B	BAC 03/28/2014				