SPECIFICATION SHEET

JFW MODEL 50S-1316+XX

1P6T 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	1P6T Normally Open Reflective
Impedance	50 Ohms nominal
VSWR	1.2:1 maximum DC-4GHz 1.3:1 maximum 4-8GHz 1.4:1 maximum 8-12GHz 1.5:1 maximum 12-18GHz
Insertion Loss	0.2 dB maximum DC-4GHz 0.3 dB maximum 4-8GHz 0.4 dB maximum 8-12GHz 0.5 dB maximum 12-18GHz
Isolation	70 dB minimum DC-4GHz 65 dB minimum 4-8GHz 60 dB minimum 8-12GHz 60 dB minimum 12-18GHz
Switching Speed	20 milliseconds
RF Input Power (cold switched)	400 Watts average DC-200MHz 300 Watts average 200-500MHZ 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 (6 lines) (Only one active port at a time)	+XX is either +12, +15,+24 or +28: ---------- +12 Vdc (11-14Vdc) @ 325 mA nominal +15 Vdc (13-17Vdc) @ 280 mA nominal +24 Vdc (20-28Vdc) @ 190 mA nominal +28 Vdc (24-32Vdc) @ 160 mA nominal on control line corresponding to desired port.
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
Lifetime	1 million cycles minimum

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Weight	4 oz. Nominal
DC Connector	Solder Terminals
RF Connector	SMA female
Operating Temperature Range	-20°C to +65°C
Physical Size	See outline drawing 092-4187

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005	19957	04/07/2011	C	TRS 04/07/2011
14089	04/19/2007	A	BAC 04/19/2007	28824	06/25/2018	D	TRS 06/25/2018
17392	07/08/2009	B	BAC 07/08/2009	33456	07/16/2024	E	TRS 07/16/2024