

SPECIFICATION SHEET**JFW MODEL 50S-1316+XX-TTL****1P6T NORMALLY OPENED REFLECTIVE
ELECTROMECHANICAL RF SWITCH**

JFW Industries, Inc.
Phone: 317-887-1340
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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
DC Supply	+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
Control (6 lines) (Only one active line)	TTL "high" (2.5-5.5Vdc) on line corresponding to desired port. TTL "low" (0 to 0.8Vdc) on other five lines. TTL current ± 1.3 mA maximum.
Lifetime	1 million cycles minimum
Weight	4 oz. Nominal

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DC Connector

Solder Terminals

RF Connector

SMA female

Operating Temperature Range

-20°C to +65°C

Physical Size

See outline drawing 092-4187

Add (-NR) for NON-RoHS version. (i.e. 50S-1316+12-TTL-NR SMA)



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	33456	07/16/2024	D	TRS 07/16/2024
17644	09/02/2009	B	BAC 09/02/2009				