

SPECIFICATION SHEET

JFW MODEL 50S-1360+XX

**1P3T 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	1P3T Normally Open Reflective
Impedance	50 Ohms nominal
VSWR	1.2:1 maximum DC-4 GHz 1.3:1 maximum 4-8 GHz 1.4:1 maximum 8-12 GHz 1.5:1 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	70 dB minimum DC-4 GHz 65 dB minimum 4-8 GHz 60 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz
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 (3 lines) (ONLY ONE ACTIVE PORT AT A TIME)	+XX is +12, +15, +24 or +28: ----- +12 Vdc (11-14V) @ 325 mA nominal +15 Vdc (13-17V) @ 280 mA nominal +24 Vdc (20-28V) @ 190 mA nominal +28 Vdc (24-32V) @ 160 mA nominal
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

--CONTINUED--

SPECIFICATION SHEET**JFW MODEL 50S-1360+XX****1P3T NORMALLY OPENED REFLECTIVE
ELECTROMECHANICAL RF SWITCH**

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

Weight	4 oz. Nominal
DC Connector	Solder Terminals
RF Connector	SMA female
Operating Temperature Range	-20° to +65° C
Physical Size	See outline drawing 092-4327

Note: Add (-NR) for NON-RoHS version. (I.e. 50S-1360+12-NR SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005	28824	06/25/2014	C	TRS 06/25/2018
18208	01/28/2010	A	BAC 01/28/2010	33456	07/16/2024	D	TRS 07/16/2024
19957	04/07/2011	B	TRS 04/07/2011				