

SPECIFICATION SHEET**JFW MODEL 50S-1361+XX****TRANSFER ELECTROMECHANICAL RF SWITCH**

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

Frequency Range	DC-18 GHz
Configuration	Transfer Switch
Impedance	50 Ohms nominal
VSWR	1.10:1 maximum DC-1 GHz 1.20:1 maximum 1-4 GHz 1.30:1 maximum 4-8 GHz 1.40:1 maximum 8-12 GHz 1.50:1 maximum 12-18 GHz
Insertion Loss	0.10 dB maximum DC-1 GHz 0.20 dB maximum 1-4 GHz 0.30 dB maximum 4-8 GHz 0.40 dB maximum 8-12 GHz 0.50 dB maximum 12-18 GHz
Isolation	85 dB minimum DC-1 GHz 80 dB minimum 1-4 GHz 70 dB minimum 4-8 GHz 65 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz
Switching Speed	20 milliseconds
RF Input Power	400 Watts average DC-200 MHz 300 Watts average 200-500 MHz 200 Watts average 500-1000 MHz 100 Watts average 1-4 GHz 90 Watts average 4-8 GHz 70 Watts average 8-12 GHz 60 Watts average 12-18 GHz
Control (1 line)	+XX is either +12 or +28: ----- +12 Vdc @ 360 mA nominal for (J1 to J2) and (J3 to J4). The unit is fail-safe (J1 to J3) and (J2 to J4). OR +28 Vdc @ 150 mA nominal for (J1 to J2) and (J3 to J4). The unit is fail-safe (J1 to J3) and (J2 to J4).
DC Connector	Solder Terminals
RF Connector	SMA female

ECR/ECN #	DATE
	08/18/2005

REV	APPR / DATE
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Lifetime (typical)	1 million cycles minimum
Operating Temperature Range	-20°C to +65°C
Weight	4 oz nominal
Physical Size	See outline drawing 092-4375



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