

SPECIFICATION SHEET

JFW MODEL 50S-3043+XX

1P2T FAILSAFE ELECTROMECHANICAL RF SWITCH

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

Frequency Range	DC-26.5 GHz
Configuration	1P2T Failsafe Reflective (Failsafe COM to N.C.)
Impedance	50 Ohms nominal
VSWR	1.10:1 maximum DC-1GHz 1.15:1 maximum 1-4GHz 1.20:1 maximum 4-8GHz 1.30:1 maximum 8-12GHz 1.35:1 maximum 12-18GHz 1.50:1 maximum 18-26.5GHz
Insertion Loss	0.10 dB maximum DC-1GHz 0.15 dB maximum 1-4GHz 0.20 dB maximum 4-8GHz 0.30 dB maximum 8-12GHz 0.35 dB maximum 12-18GHz 0.50 dB maximum 18-26.5GHz
Isolation	85 dB minimum DC-1GHz 80 dB minimum 1-4GHz 70 dB minimum 4-8GHz 65 dB minimum 8-12GHz 60 dB minimum 12-18GHz 55 dB minimum 18-26.5GHz
Switching Speed	15 milliseconds
RF Input Power	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 45 Watts average 18-26.5GHZ
Control (1 line) (Energize for COM to N.O.)	+XX is either +12,+15,+24 or +28: ----- +12 Vdc (11-14Vdc) @ 200 mA nominal +15 Vdc (13-17Vdc) @ 160 mA nominal +24 Vdc (20-28Vdc)@ 120 mA nominal +28 Vdc (24-32Vdc)@ 100 mA nominal

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Lifetime 1 million cycles minimum
Weight 2.5 oz. Nominal
DC Connector Solder terminals
RF Connector SMA female
Operating Temperature Range -25°C to +65°C
Physical Size See outline drawing 092-4496

Add (-NR) for NON-RoHS version. (i.e. 50S-3043+12-NR SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/29/2022		BAC 08/29/2022				