

SPECIFICATION SHEET

JFW MODEL 50S-1704+XX

1P4T SELF TERMINATING LATCHING ELECTROMECHANICAL RF SWITCH

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Frequency Range	DC-18 GHz
Configuration	1P4T Self Terminating Latching (Self-Cut off)
Impedance	50 Ohms nominal
VSWR	1.2:1 maximum DC-4 GHz 1.3:1 maximum 4-8 GHz 1.4:1 maximum 8-12.4 GHz 1.5:1 maximum 12.4-18 GHz
Insertion Loss	0.20 dB maximum DC-4 GHz 0.30 dB maximum 4-8 GHz 0.40 dB maximum 8-12.4 GHz 0.50 dB maximum 12.4-18 GHz
Isolation	80 dB minimum DC-4 GHz 75 dB minimum 4-8 GHz 70 dB minimum 8-12.4 GHz 60 dB minimum 12.4-18 GHz
Switching Speed	15 milliseconds
RF Input Power (cold switched)	200 Watts average DC-1000MHZ 100 Watts average 1-4GHZ 50 Watts average 4-8GHz 35 Watts average 8-12.4GHz 25 Watts average 12.4-18GHz (Internal Terminations 2 Watt average)
Control (4 lines) (Self Cut-Off, current only pulled during switching.	Pull control line to ground for 15 milliseconds to set. Place supply voltage on +V pin. +XX is either +12,+15,+24 or +28: ----- +12Vdc (11-14V) @ 570 mA nominal +15Vdc (13-17V) @ 365 mA nominal +24Vdc (20-28V) @ 225 mA nominal +28Vdc (24-32V) @ 180 mA nominal
DC Connector	Solder Terminals
RF Connector	SMA female
Operating Temperature Range	-25°C to +65°C
Physical Size	See outline drawing 092-6871
Add (-NR) for NON-RoHS version. (I.e. 50S-1704+12-NR SMA)	

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