

SPECIFICATION SHEET**JFW MODEL 50S-1756+XX****1P4T SELF TERMINATING LATCHING ELECTROMECHANICAL
RF SWITCH**

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

Frequency Range	DC-40 GHz
Configuration	1P4T Self Terminating Latching (Self Cut-off)
Impedance	50 Ohms nominal
VSWR	1.3:1 maximum DC-6GHz 1.4:1 maximum 6-12GHz 1.5:1 maximum 12-18GHz 1.7:1 maximum 18-26.5GHz 2.0:1 maximum 26.5-40GHz
Insertion Loss	0.3 dB maximum DC-6GHz 0.4 dB maximum 6-12GHz 0.5 dB maximum 12-18GHz 0.7 dB maximum 18-26.5GHz 1.0 dB maximum 26.5-40GHz
Isolation	70 dB minimum DC-6GHz 60 dB minimum 6-12GHz 60 dB minimum 12-18GHz 55 dB minimum 18-26.5GHz 50 dB minimum 26.5-40GHz
Switching Speed	20 milliseconds
RF Input Power* (cold switched)	40 Watts average DC-6 GHz 30 Watts average 6-12 GHz 25 Watts average 12-18 GHz 15 Watts average 18-26.5 GHz 8 Watts average 26.5-40 GHz *1 Watt average (Self-Termination)
DC Supply	+XX is either +12, +24 or +28: ----- +12 Vdc (11-14V)@ 530 mA nominal +24 Vdc (20-28V)@ 240 mA nominal +28 Vdc (24-32V)@ 210 mA nominal
Control (4 lines)	Place ground on control line corresponding to desired port.(Only one active port at a time.)
Lifetime	1 million cycles minimum
Weight	4 oz. Nominal
DC Connector	Solder Terminals
RF Connector	2.9mm (K) female
Operating Temperature Range	-20°C to +65°C

--CONTINUED--

SPECIFICATION SHEET

JFW MODEL 50S-1756+XX

**1P4T SELF TERMINATING LATCHING ELECTROMECHANICAL
RF SWITCH**

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

Physical Size

See outline drawing 092-8303



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/30/2015		BAC 04/30/2015	33458	07/16/2024	C	BAC 07/16/2024
26910	08/04/2016	A	BAC 08/04/2016				
33456	07/16/2024	B	TRS 07/16/2024				