

SPECIFICATION SHEET

JFW MODEL 50S-1634+XX

**1P6T NORMALLY OPENED REFLECTIVE
ELECTROMECHANICAL RF SWITCH**

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

Frequency Range DC-40 GHz

Configuration 1P6T Normally Open Reflective

Impedance 50 Ohms nominal

VSWR 1.3:1 maximum DC-6 GHz
1.4:1 maximum 6-12 GHz
1.5:1 maximum 12-18 GHz
1.7:1 maximum 18-26.5 GHz
2.0:1 maximum 26.5-40 GHz

Insertion Loss 0.3 dB maximum DC-6 GHz
0.4 dB maximum 6-12 GHz
0.5 dB maximum 12-18 GHz
0.7 dB maximum 18-26.5 GHz
1.0 dB maximum 26.5-40 GHz

Isolation 70 dB minimum DC-6 GHz
60 dB minimum 6-12 GHz
60 dB minimum 12-18 GHz
55 dB minimum 18-26.5 GHz
50 dB minimum 26.5-40 GHz

Switching Speed 20 milliseconds

RF Input Power 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

Control (6 lines) +XX is either +12, +15, +24 or +28:

+12 Vdc @ 325 mA nominal (11-14 Vdc)
+15 Vdc @ 280 mA nominal (13-17 Vdc)
+24 Vdc @ 190 mA nominal (20-28 Vdc)
+28 Vdc @ 160 mA nominal (24-32 Vdc)
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 female

Temperature Range -20°C to +65°C (operating)
-55°C to +85°C (storage)

Physical Size See outline drawing 092-5825

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/27/2008		BAC 06/27/2008				
26506	04/04/2016	A	TRS 04/04/2016				