Technical Data Sheet



SP6T Ramses 1.85mm 67GHz Latching Indicators 28Vdc Positive common Pins Terminals

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RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 67 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50	50 - 65	65 - 67
VSWR max	1.30	1.40	1.50	1.70	1.70	1.90	1.90	1.90
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.90 dB	1.20 dB	1.40 dB	1.70 dB
Isolation min	70 dB	60 dB	60 dB	60 dB	60 dB	60 dB	60 dB	60 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W	3 W	1 W	1 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 125 mA / RESET : 750 mA ****

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

Connectors : 1.85mm female (Accoding to IEEE STD 287)

Life : 2 million cycles per position

Switching Time*** : <15 ms

Construction : Splashproof

Weight : <180 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°C Storage temperature range : -40°C to +85°C

(* Average power at 25°C per RF Path)

(** At 25° C ±10%)

(*** Nominal voltage; 25° C)

(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)



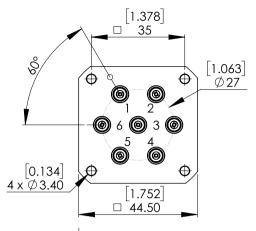
Technical Data Sheet



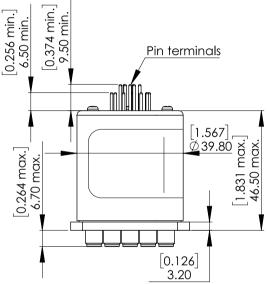
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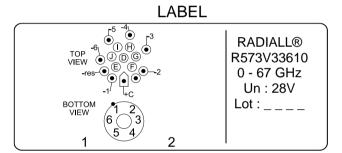
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DRAWING



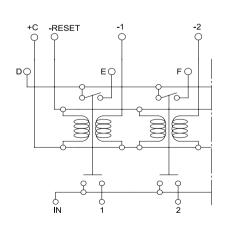
Voltage	RF Continuity	Ind.
+C -RESET	All ports open	
+C -1	IN ↔ 1	D.E
+C -2	$IN \leftrightarrow 2$	D.F
+C -3	IN ↔ 3	D.G
+C -4	$IN \leftrightarrow 4$	D.H
+C -5	IN ↔ 5	D.I
+C -6	IN ↔ 6	D.J

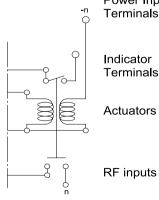




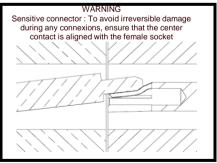
General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM





Power Input



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