Technical Data Sheet



SP4T Terminated Ramses 2.4mm 50GHz Latching Indicators 12Vdc

D-sub connector

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RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 50 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50
VSWR max	1.30	1.40	1.50	1.70	1.90	2.20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	0.90 dB	1.20 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W	3 W

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 320 mA / RESET : 1280 mA ****

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

Connectors : 2.4mm female (Accoding to IEEE STD 287)

Life : 2 million cycles per position

Switching Time*** : <15 ms

Construction : Splashproof

Weight : < 250 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%)



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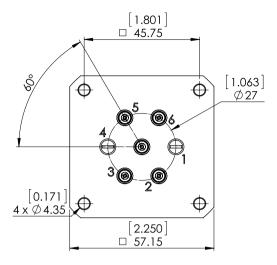


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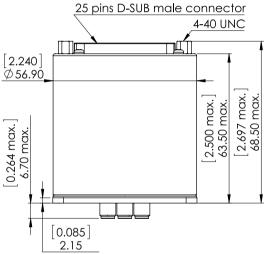
D-sub connector

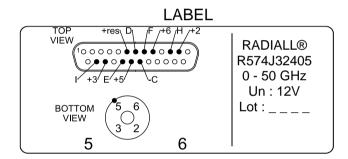
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DRAWING



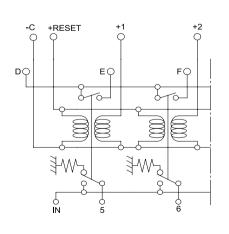
Voltage	RF Continuity	Ind.
-C +RESET	All ports open	
-C +2	$IN \leftrightarrow 2$	D.H
-C +3	$IN \leftrightarrow 3$	D.I
-C +5	$IN \leftrightarrow 5$	D.E
-C +6	$IN \leftrightarrow 6$	D.F

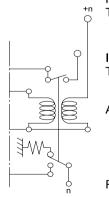




General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



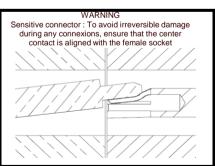


Power Input Terminals

Indicator Terminals

Actuators

RF inputs



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