Technical Data Sheet



DPDT Ramses 2.4mm 50GHz Latching 12Vdc TTL Diodes D-sub connector with bracket

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RF CHARACTERISTICS

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	2.00
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W	5 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 320 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : 9 pins D-SUB male connector TTL inputs (E) - High level : 2.2 to 5.5 V / $800\mu A$ at 5.5 V

- Low level : 0 to 0.8 V / 20µA at 0.8 V

MECHANICAL CHARACTERISTICS

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

Life : 2 million cycles
Switching Time*** : < 15 ms
Construction : Splashproof
Weight : < 100 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)



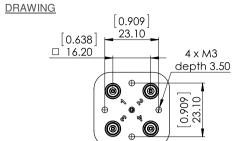
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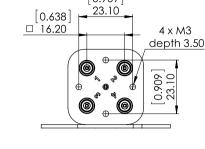


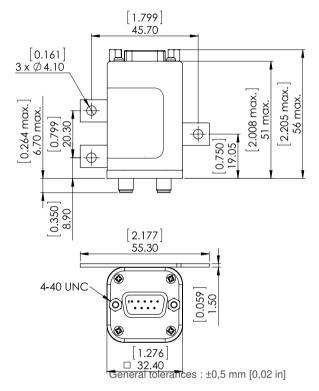


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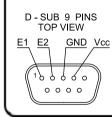
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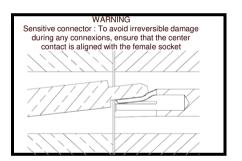




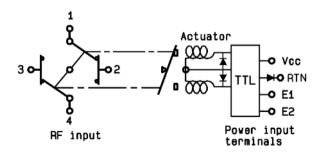
LABEL



RADIALL® R577J32105 0 - 50 GHz Un: 12V Lot : _ _ _ _



SCHEMATIC DIAGRAM



TTL input	RF Continuity		
E1=1 / E2=0	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$		
E1=0 / E2=1	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$		
E1=0 / E2=0	Memory		
E1=1 / E2=1	Forbidden		