Technical Data Sheet



DPDT Ramses 2.4mm 50GHz Latching Self-cut-off 12Vdc TTL Diodes

D-sub connector with bracket

PAGE 1/2 ISSUE 10-07-19 SERIE : DPDT PART NUMBER : R577J52105

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

Self cut-off time : 40 ms < CT < 120 ms

TTL inputs (E) - High level : 2.2 to 5.5 V / 800μA 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

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)



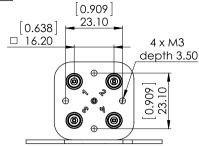




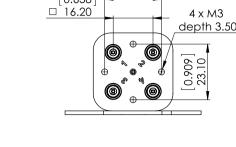
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PAGE **2/2** ISSUE 10-07-19 SERIE: DPDT PART NUMBER: R577J52105

DRAWING

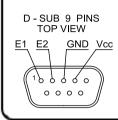


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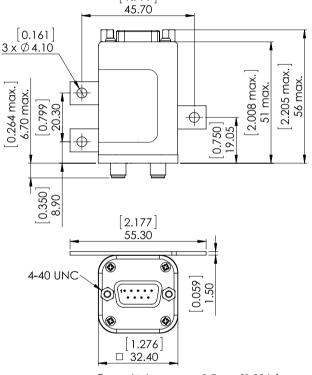




LABEL



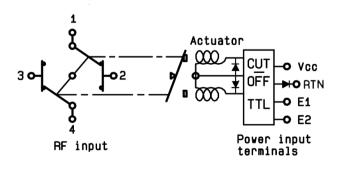
RADIALL® R577J52105 0 - 50 GHz Un: 12V Lot : _ _ _ _



General tolerances: ±0,5 mm [0,02 in]

Sensitive connector: To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket

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		