## **Technical Data Sheet**



DPDT Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 12Vdc

TTL Diodes D-sub connector with bracket

PAGE 1/2 ISSUE 25-10-16 SERIE : DPDT PART NUMBER : R577862105

#### **RF CHARACTERISTICS**

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	1.90
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 320 mA

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

Terminals : 9 pins D-SUB male connector

 $\begin{array}{ll} \text{Indicator rating} & : 1 \text{ W / 30 V / 100 mA} \\ \text{Self cut-off time} & : 40 \text{ ms} < \text{CT} < 120 \text{ ms} \\ \end{array}$ 

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 : SMA 2.9 female per MIL-C 39012

Life : 2.5 million cycles

Switching Time\*\*\* : < 15 ms

Construction : Splashproof

Weight : < 100 g

### **ENVIRONMENTAL CHARACTERISTICS**

Operating temperature range : -40°C to +85°C Storage temperature range : -55°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 **25-10-16** SERIE: DPDT PART NUMBER: **R577862105 DRAWING** 16,2 4 holes M3 depth 3,5 23,1 square N 16, LABEL D-SUB 9 PINS TOP VIEW **RADIALL®** 45,7 R577862105 0 - 40 GHz Un: 12V Lot : \_ \_ \_ \_ 3 ¢ 4,1 ф 22 50, m 8 15  $\oplus$ 19 б 6,4 55,3 4-40 UNC 1,5 33,8 General tolerances: ±0.5 mm 32,3 SCHEMATIC DIAGRAM Indicator terminals **o** 2 **O** 1 **O** C TTL input RF Continuity Ind. Actuator C.1 E1=1 / E2=0 CUT E1=0 / E2=1 C.2 E1=0 / E2=0 Memory E1=1 / E2=1 Forbidden Power input RF input terminals