## **Technical Data Sheet**



DPDT Ramses SMA 18GHz Latching Indicators 28Vdc D-sub connector with bracket

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#### RF CHARACTERISTICS

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	65 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 125 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON

Terminals : 9 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

#### MECHANICAL CHARACTERISTICS

Connectors : SMA 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)



# **Technical Data Sheet**



RF input

DPDT Ramses SMA 18GHz Latching Indicators 28Vdc D-sub connector with bracket

PAGE **2/2** ISSUE 11-04-17 SERIE: DPDT PART NUMBER: **R577443005 DRAWING** [0.909] 23.10 [0.638] □່16.20 4 x M3 depth 3.50 LABEL [0.909] 23.10 D - SUB 9 PINS TOP VIEW **RADIALL®** -C R577443005 0 - 18 GHz [1.799] 45.70 Un: 28V Lot : \_ \_ \_ \_ [0.161] 3 x Ø 4.10 ДП [2.205 max.] 56 max. [2.008 max.] 51 max. [0.303 max.] 7.70 max. [0.799] 20.30  $\oplus$  $\oplus$ [0.350] 8.90 [2.177] 55.30 4-40 UNC  $\odot$ 1.276 □ 32.40 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Indicator terminals RF Continuity **O** 1 Actuator

voltage	TXT Continuity	mu.
-C +1	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$	C.1
-C +2	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$	C.2

Power input

terminals

-C