Technical Data Sheet



DPDT Ramses SMA 18GHz Latching Indicators 28Vdc Positive common

D-sub connector with bracket

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577443015

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) / POSITIVE 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)







RF input

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

PAGE **2/2** ISSUE **22-03-22** SERIE: DPDT PART NUMBER: **R577443015 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®** R577443015 0 - 18 GHz [1.799] 45.70 0 0 Un: 28V Lot : _ _ _ _ [0.161] 3 x ♥ 4.10 [2.205 max.] 56 max. [2.008 max.] 51 max. [0.303 max.] 7.70 max. [0.799] 20.30 ϕ \oplus [0.350] 8.90 [2.177] 55.30 4-40 UNC (O) 1.276 □ 32.40 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Indicator terminals **o** 2 RF Continuity Voltage Ind. **o** 1 C.1 +C **O** C +C -2 $1 \leftrightarrow 2 \ / \ 3 \leftrightarrow 4$ Actuator +C Power input

terminals