Technical Data Sheet



SP5T Ramses SMA 18GHz Normally open Indicators 12Vdc TTL Diodes

Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573412520

RF CHARACTERISTICS

Number of ways : 5

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 | 60 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 100 W |

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

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

Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

TTL inputs (E) - High level : 2.2 to 5.5 V / 800 μ A at 5.5 V

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

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 5 million cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 220 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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Pins Terminals PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R573412520 DRAWING** 6 x M3 depth 4 [1.063] ŝ Ø 27 TTL input RF Continuity D.E E1 = 1 $IN \leftrightarrow \mathbf{1}$ E2 = 1 $IN \leftrightarrow 2$ D.F D.G E3 = 1 $\text{IN} \leftrightarrow 3$ E4 = 1IN ↔ 4 D.H [1.508] $IN \leftrightarrow \mathbf{5}$ E5 = 1D.I Ø38.30 [0.374 min.] 9.50 min. [0.256 min.] 6.50 min. Pin terminals LABEL **RADIALL®** [2.185 max.] 55.50 max. R573412520 0 - 18 GHz [0.303 max.] 7.70 max. ூ∩ெ⊚் Un: 12V GND 2 Lot : _ _ _ _ BOTTOM VIEW 2 1 2.244 \emptyset 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input terminals RŢN E2 Ε'n TTL-DRIVE D∳ Εφ Indicator terminals Actuators RF inputs

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