Technical Data Sheet



SP6T Terminated Ramses SMA 18GHz Normally open Indicators 28Vdc

TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 06-02-18 SERIE : SPNT PART NUMBER : R574413620

RF CHARACTERISTICS

Number of ways : 6

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

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

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 / $800\mu A$ 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 : 2 million cycles per position

Switching Time*** : < 15 ms

Construction : Splashproof

Weight : < 250 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 06-02-18 SERIE: SPnT PART NUMBER: **R574413620 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 ŝ TTL input RF Continuity Ind. E1 = 1 $IN \leftrightarrow \mathbf{1}$ D.E $IN \leftrightarrow 2$ D.F E2 = 1D.G $IN \leftrightarrow 3$ E3 = 1IN ↔ 4 D.H E4 = 11.760 Ø 44.70 $\text{IN} \leftrightarrow 5$ D.I E5 = 1[0.374 min.] 9.50 min. [0.256 min.] 6.50 min. E6 = 1 $IN \leftrightarrow 6$ D.J Pin terminals LABEL **RADIALL®** TOP VIEW • J D G (II) (II) [2.185 max.] 55.50 max. R574413620 [0.303 max.] 7.7<u>0</u> max. 0 - 18 GHz Un: 28V Lot : _ _ _ _ BOTTOM VIEW 2 1 [2.244] \emptyset 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input RTN E2 Vçc terminals TTL-DRIVE Dφ Ε¢ Indicator terminals Actuators IN n RF inputs

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