Technical Data Sheet



SP6T Terminated Ramses SMA 18GHz Normally open Indicators 12Vdc
Positive common Pins Terminals

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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 ** : 250 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / POSITIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 15 msConstruction : 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 26-01-17 SERIE: SPnT PART NUMBER: **R574412610 DRAWING** 6 x M3 depth 4 ŝ 0 [1.500] Voltage RF Continuity Ø 38.10 +C -1 $IN \leftrightarrow \mathbf{1}$ D.E +C -2 $IN \leftrightarrow 2$ D.F D.G +C -3 $IN \leftrightarrow 3$ +C -4 IN ↔ 4 D.H $\text{IN} \leftrightarrow 5$ D.I +C -5 (O) **(** 1.760 +C -6 $\text{IN} \leftrightarrow 6$ D.J Ø 44.70 [0.256 min.] 6.50 min. Pin terminals **LABEL RADIALL®** TOP R574412610 [1.831 max.] 46.50 max. 0 - 18 GHz Un: 12V 7.70 max. Lot : _ _ _ _ BOTTOM VIEW 2.244 \emptyset 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input terminals Indicator terminals Actuators

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RF inputs