Technical Data Sheet



SP6T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc BCD TTL Diodes 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 : LATCHING
Nominal current ** : 375 mA

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

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

 $\begin{array}{ll} \text{Indicator rating} & : 1 \text{ W} / 30 \text{ V} / 100 \text{ mA} \\ \text{Self cut-off time} & : 40 \text{ ms} < \text{CT} < 120 \text{ ms} \\ \end{array}$

BCD inputs (E) - High level : 3.5 to 5.5 V / 800μA at 5.5 V - Low level : 0 to 1.5 V / 20μA at 0.8 V

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 40 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 **22-03-22** SERIE: SPnT PART NUMBER: **R574493680 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 **BCD TRUTH TABLE** E1 E3 E2 RF continuity Ind. All ports open 0 0 0 (Forced Reset) 0 $IN \leftrightarrow 1$ D.E 0 1.760 Ø 44.70 0 $IN \leftrightarrow 2$ D.F 0 1 [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. 0 1 1 $IN \leftrightarrow 3$ D.G 1 0 0 $\text{IN} \leftrightarrow 4$ D.H IN ↔ 5 1 0 1 D.I Pin terminals 0 $IN \leftrightarrow 6$ D.J **LABEL** ● F3 ● J D G ● F ● E2 **RADIALL®** [2.185 max.] 55.50 max. R574493680 [0.303 max.] 7.70 max. 0 - 18 GHz Un: 28V GND BOTTOM VIEW Lot : _ _ _ _ 6 3 2 1 2.244 \emptyset 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input RŢN E2 terminals CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE D∳ Indicator terminals Actuators IN 1 RF inputs n

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