Technical Data Sheet



SP4T Terminated Ramses SMA 3GHz Latching Self-cut-off Auto-reset 28Vdc BCD TTL Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3
VSWR max	1,20
Insertion loss max	0.20 dB
Isolation min	80 dB
Average power (*)	240 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 ** : 250 mA

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

Terminals : 25 pins D-SUB male connector

Self cut-off time : 40 ms < CT < 120 ms

BCD inputs (E) - High level : 3.5 to 5.5 V / $800\mu A$ 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: **R574383485 DRAWING** 6 x M3 depth 4 1.760 **(** Ø 44.70 **BCD TRUTH TABLE** 2 E1 E3 E2 RF continuity All ports open 0 0 0 (Forced Reset) 1.500 0 $IN \leftrightarrow 1$ 0 Ø 38.10 **6** 0 $IN \leftrightarrow 2$ 0 1 0 1 1 $IN \leftrightarrow 3$ 0 0 $IN \leftrightarrow 4\,$ 25 pins D-SUB male connector 4-40 UNC **LABEL** TOP VIEW Æ2 **RADIALL®** [2.618 max.] 66.50 max. [2.421 max.] 61.50 max. 1000000000000000 R574383485 00000,0000 [0.303 max.] 7.70 max. 0 - 3 GHz GND Vcc Un: 28V Lot : _ _ _ _ BOTTOM VIEW 2 1 2.244 \emptyset 57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input terminals RŢN CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE Actuators

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RF inputs