Technical Data Sheet



SP4T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 12Vdc TTL Diodes Pins Terminals

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RF CHARACTERISTICS

Number of ways : 4

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 ** : 640 mA

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

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

TTL inputs (E) - High level : 2.2 to 5.5 V / 800μA 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*** : < 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: **R574492420 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 ŝ TTL input RF Continuity D.E E1 = 1 $IN \leftrightarrow \mathbf{1}$ $IN \leftrightarrow 2$ D.F E2 = 1D.G E3 = 1 $\text{IN} \leftrightarrow 3$ E4 = 1 $IN \leftrightarrow 4\,$ D.H [1.760] Ø 44.70 [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. Pin terminals LABEL **RADIALL®** [2.185 max.] 55.50 max. R574492420 [0.303 max.] 7.70 max. 0 - 18 GHz Un: 12V Lot : _ _ _ _ BOTTOM VIEW 2 1 2.244 Ø 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input terminals RTN E2 E1 Vcc CUT-OFF / AUTO-RESET / TTL-DRIVE EĢ Indicator terminals Actuators IN n RF inputs

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