Technical Data Sheet



SP4T Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc
Diodes Pins Terminals

SERIE : SPnT PART NUMBER : R573853400

RF CHARACTERISTICS

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Number of ways : 4

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Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	1.95
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.00 dB
Isolation min	80 dB	70 dB	70 dB	60 dB	55 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 125 mA / RESET : 500 mA ****

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA
Self cut-off time : 40 ms < CT < 120 ms

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 7 million cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 220 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)

(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)



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PAGE **2/2** ISSUE 10-04-25 SERIE: SPnT PART NUMBER: **R573853400 DRAWING** 6 x M3 depth 4 [1,063] 60° Ø 27 Voltage RF Continuity Ind. -C +RESET All ports open -C +1 $IN \leftrightarrow 1$ D.E D.F -C +2 $IN \leftrightarrow 2$ 30° -C +3 $IN \leftrightarrow 3$ D.G [1,508] $IN \leftrightarrow 4$ -C +4 D.H Ø38,30 Pin terminals LABEL **RADIALL®** R573853400 [2,185 max.] 55,50 max. [0,264 max.] 6,70 max. 0 - 40 GHz Un: 28V Lot : _ _ _ _ BOTTOM VIEW 1 2,244 Ø 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM +RESET Power Input Terminals CUT-OFF ΕQ Indicator Terminals Actuators RF inputs

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