Technical Data Sheet



SP6T Terminated Ramses SMA 18GHz Square Flange Latching Self-cut-off Auto-reset Indicators 28Vdc BCD TTL Diodes D-sub connector

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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 : 25 pins D-SUB male connector

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 : 3 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 **22-11-22** SERIE: SPnT PART NUMBER: **R574G93685 DRAWING** [1.801] □ 45.75 ŝ [1.063] Ф **BCD TRUTH TABLE** \emptyset 27 E3 E2 E1 RF continuity Ind. All ports open 0 0 0 (Forced Reset) 0 $IN \leftrightarrow 5$ D.E 0 0 $\text{IN} \leftrightarrow 6$ D.F 0 1 [0.171]0 1 1 $IN \leftrightarrow 1$ D.G 4 x ♥ 4.35 1 0 0 $IN \leftrightarrow 2$ D.H 2.250 1 0 D.I 1 $IN \leftrightarrow 3$ □ 57.15 $IN \leftrightarrow 4$ 0 D.J 25 pins D-SUB male connector 4-40 UNC **LABEL** TOP VIEW [2.240]**RADIALL®** 0.56.90000000 R574G93685 [2.697 max.] 68.50 max. [2.500 max.] 63.50 max. 0 - 18 GHz I E E1 GND Vcc G E3 Un: 28V [0.303 max.] 7.70 max. BOTTOM VIEW 6 Lot : _ _ _ _ 5 6 0.085 2.15 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM RTN E1 Power Input Terminals CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE Indicator Terminals Actuators RF inputs

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