Technical Data Sheet



SP8T Terminated Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset 12Vdc TTL Drive Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18	18 - 22	22 - 26.5
VSWR max	1.20	1.30	1.40	1.50	1.60	1.70	2.00
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB	0.70 dB	1.10 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W	90 W	40 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 ** : 960 mA

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

Terminals : 25 pins D-SUB male connector

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

TTL inputs (E) - High level : 2.2 to 5.5 V / 800 μ A 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 : 2.000.000 cycles per position

Switching Time*** : < 50 ms

Construction : Splashproof

Weight : < 280 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 30.04.15 SERIE: SPnT PART NUMBER: **R574F82825 DRAWING** ø44,7 ø57,15 4 holes M3 /90° TTL input RF Continuity ø49,8 depth 4 mm E1 = 1 $\text{IN} \leftrightarrow 1$ MARKING E2 = 1 $IN \leftrightarrow 2$ E3 = 1 $IN \leftrightarrow 3$ E4 = 1 $\text{IN} \leftrightarrow 4$ E5 = 1 $\text{IN} \leftrightarrow 5$ E6 = 1 $IN \leftrightarrow 6$ E7 = 1 IN ↔ 7 IN ↔ 8 E8 = 1 4-40 UNC 25 pins D-SUB male connector **LABEL** TOP VIEW **RADIALL®** R574F82825 0 - 26.5 GHz 99 Un: 12V Lot : _ _ _ _ **BOTTOM** General tolerances: ±0.5 mm SCHEMATIC DIAGRAM Power input RŢN terminals CUT-OFF / AUTO-RESET / TTL-DRIVE Actuators RF inputs

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