# **Technical Data Sheet**



SP6T Terminated Ramses SMA 26.5GHz Normally open 12Vdc TTL
Diodes Pins Terminals

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#### RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18-26.5
VSWR max	1,20	1,30	1,40	1,50	1,70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	100 W	40 W

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

#### **ELECTRICAL CHARACTERISTICS**

Actuator : NORMALLY OPEN

Nominal current \*\* : 250 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 /  $800\mu A$  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 : 3 million cycles per position

Switching Time\*\*\* : <15 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 **25-11-22** SERIE: SPnT PART NUMBER: R574F02620 **DRAWING** [1.801] 45.75  $\oplus$ TTL input RF Continuity [1.063]  $\emptyset$  27 E1 = 1 $IN \leftrightarrow \mathbf{1}$ E2 = 1 $IN \leftrightarrow 2$  $IN \leftrightarrow 3$ E3 = 1 $IN \leftrightarrow 4$ E4 = 1 $\text{IN} \leftrightarrow 5$ E5 = 1[0.171]  $4 \times \emptyset 4.35$ E6 = 1 $\text{IN} \leftrightarrow 6$ 2.250 □ <sup>57.15</sup> [0.256 min.] 6.50 min. Pin terminals LABEL **RADIALL®** TOP VIEW R574F02620 [2.264 max.] 57.50 max. 0 - 26.5 GHz Un: 12V Lot:\_\_\_\_ [0.303 max.] 7.70 max. BOTTOM VIEW 5 6 [2.240] 0.085 Ø 56.90 2.15 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM RTN E1 Vcc Power Input Terminals TTL-DRIVE Actuators RF inputs

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