# **Technical Data Sheet**



SP4T Terminated Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset 12Vdc TTL Diodes D-sub connector

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### **RF CHARACTERISTICS**

Number of ways : 4

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 : LATCHING
Nominal current \*\* : 640 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 $\mu$ 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

# **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: R574F82425 **DRAWING** [1.801] 45.75 [1.063]  $\oplus$ TTL input RF Continuity  $\emptyset$  27 E2 = 1 $IN \leftrightarrow 2\,$  $IN \leftrightarrow 3$ E3 = 1E5 = 1 $IN \leftrightarrow 5$  $IN \leftrightarrow 6$ E6 = 1[0.171] $4 \times 0 4.35$ 2.250 □ 57.15 25 pins D-SUB male connector 4-40 UNC LABEL TOP VIEW Æ6 [2.240] **RADIALL®** Ø 56.90 R574F82425 [2.697 max.] 68.50 max. 00900990000 [2.500 max.] 63.50 max. 0 - 26.5 GHz Vcc E5 GND Un: 12V [0.303 max.] 7.70 max. BOTTOM VIEW Lot : \_ \_ \_ \_ 5 6 0.085 2.15 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Vcc E1 E2 En Power Input Terminals CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE Actuators RF inputs

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