Technical Data Sheet



SP8T Terminated Ramses SMA 26.5GHz Normally open 28Vdc TTL

Diodes D-sub connector

PAGE 1/2 ISSUE 25-11-22 SERIE : SPNT PART NUMBER : R574F03825

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 : NORMALLY OPEN

Nominal current ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : 25 pins D-SUB male connector TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA 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 million cycles per position

Switching Time*** : < 15 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)



Technical Data Sheet

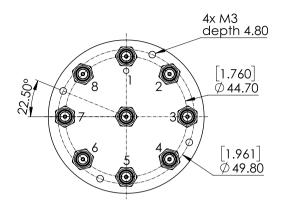


SP8T Terminated Ramses SMA 26.5GHz Normally open 28Vdc TTL Diodes D-sub connector

SERIE : SPnT PART NUMBER : R574F03825

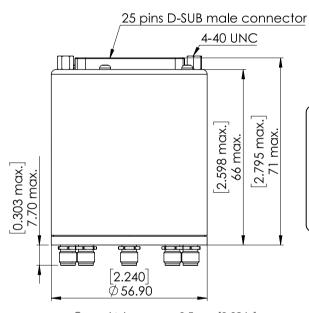
DRAWING

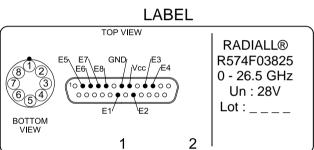
PAGE **2/2**



ISSUE **25-11-22**

TTL input	RF Continuity		
E1 = 1	IN ↔ 1		
E2 = 1	IN ↔ 2		
E3 = 1	IN ↔ 3		
E4 = 1	$IN \leftrightarrow 4$		
E5 = 1	$IN \leftrightarrow 5$		
E6 = 1	$IN \leftrightarrow 6$		
E7 = 1	IN ↔ 7		
E8 = 1	$IN \leftrightarrow 8$		

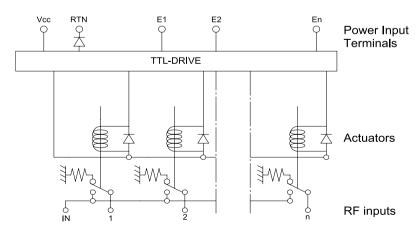






General tolerances : ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.