Technical Data Sheet



SP8T Terminated Ramses N 8GHz Normally open 28Vdc TTL Diodes

D-sub connector

PAGE 1/2 | ISSUE 22-03-22 | SERIE : SPnT | PART NUMBER : R574103825

RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 8 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8
VSWR max	1.30	1.50
Insertion loss max	0.30 dB	0.50 dB
Isolation min	80 dB	70 dB
Average power (*)	400 W	250 W

VSWR values are not applicable for internal terminations

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 / 20 μ A at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : N female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 680 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

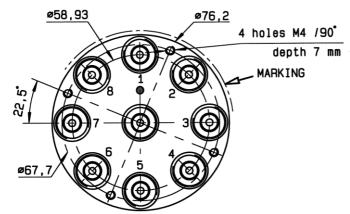


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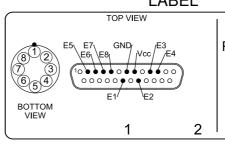
DRAWING



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

25 pins D-SUB male connector

LABEL

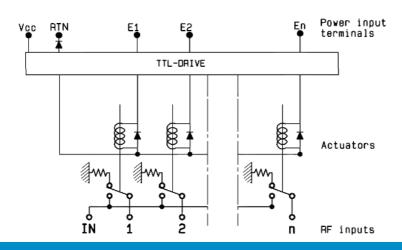


RADIALL® R574103825 0 - 8 GHz Un : 28V Lot : ____



General tolerances : ± 0.5 mm [0.02 in]

SCHEMATIC DIAGRAM



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