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ISSUE 30.01.15

SERIE : SPnT

PART NUMBER : R574833445

## RF CHARACTERISTICS

Number of ways : 4  
 Frequency range : 0 - 40 GHz  
 Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	2.20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 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 \*\* : 125 mA / RESET : 500 mA \*\*\*\*  
 Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON  
 Terminals : 25 pins D-SUB male connector  
 Indicator rating : 1 W / 30 V / 100 mA

## MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012  
 Life : 2.000.000 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)

(\*\*\*\* Reset : supply voltage time 1sec. max. / duty cycle 10%)



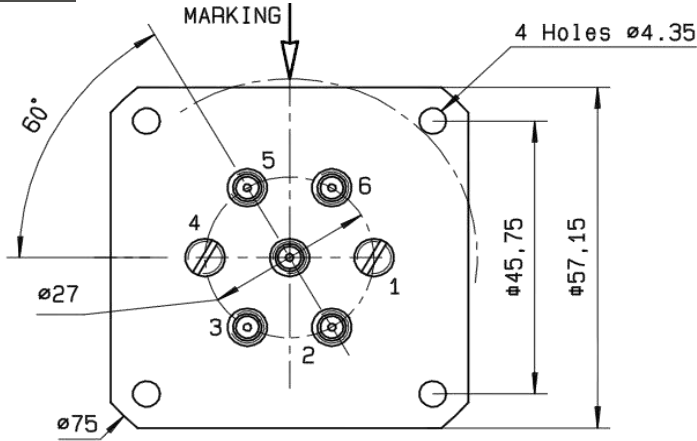
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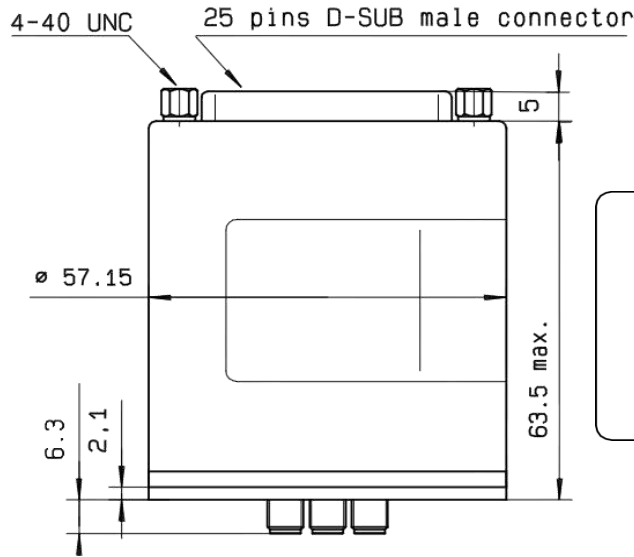
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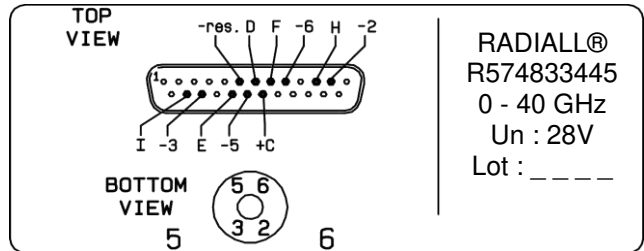
DRAWING



Voltage	RF Continuity	Ind.
+C -RESET	All ports open	--
+C -2	IN ↔ 2	D.H
+C -3	IN ↔ 3	D.I
+C -5	IN ↔ 5	D.E
+C -6	IN ↔ 6	D.F



**LABEL**



**RADIALL®**  
R574833445  
0 - 40 GHz  
Un : 28V  
Lot : \_ \_ \_ \_



General tolerances : ±0.5 mm

SCHEMATIC DIAGRAM

