

## RF CHARACTERISTICS

Number of ways : 4  
 Frequency range : 0 - 12.4 GHz  
 Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.35	1.50
Insertion loss max	0.20 dB	0.35 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	400 W	250 W	200 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 \*\* : 250 mA  
 Actuator voltage (Vcc) : 28V (24 to 30V)  
 Terminals : 25 pins D-SUB male connector  
 Indicator rating : 1 W / 30 V / 100 mA  
 Self cut-off time : 40 ms < CT < 120 ms  
 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 : N female per MIL-C 39012  
 Life : 2 million cycles per position  
 Switching Time\*\*\* : < 40 ms  
 Construction : Splashproof  
 Weight : < 460 g

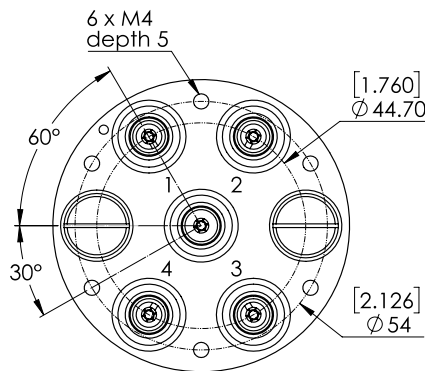
## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -40°C to +85°C  
 Storage temperature range : -55°C to +85°C

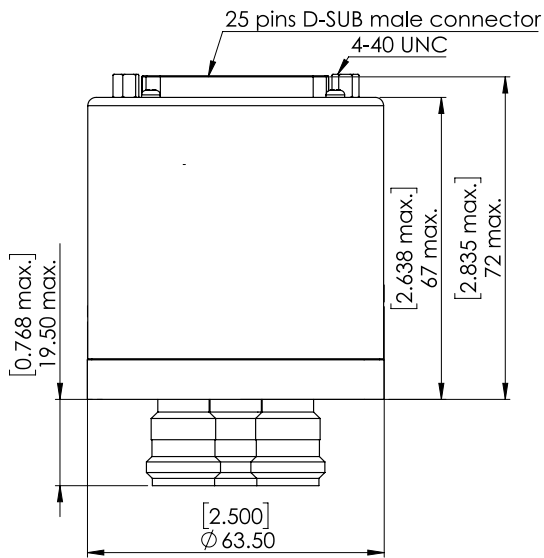
(\* Average power at 25°C per RF Path)  
 (\*\* At 25° C ±10%)  
 (\*\*\*) Nominal voltage ; 25° C)



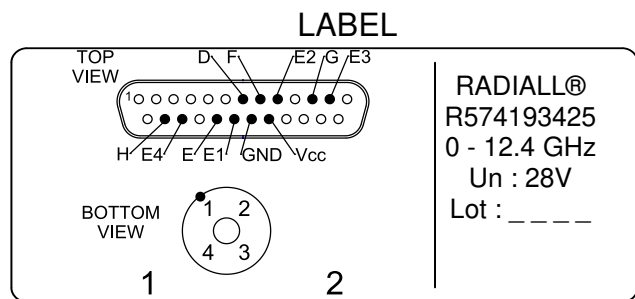
**DRAWING**



TTL input	RF Continuity	Ind.
E1 = 1	IN ↔ 1	D.E
E2 = 1	IN ↔ 2	D.F
E3 = 1	IN ↔ 3	D.G
E4 = 1	IN ↔ 4	D.H



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



**RADIALL®**  
R574193425  
0 - 12.4 GHz  
Un : 28V  
Lot : \_ \_ \_ \_



**SCHEMATIC DIAGRAM**

