

Description : 50 Ohms Terminated SP6T 12.4GHz N N/O 12V D-SUB SWITCH  
 Options : TTL DRIVE / SUPP. DIODES

Issue 12.12.12  
 Page 1/2

**RF CHARACTERISTICS**

Number of ways : 6  
 Frequency range : 0 - 12.4 GHz  
 Impedance : 50 Ohms

Frequency (GHz)	0 - 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 : NORMALLY OPEN  
 Nominal current \*\* : 250 mA  
 Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON  
 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 : N female per MIL-C 39012  
 Life : 2.000.000 cycles per position  
 Switching Time\*\*\* : < 15 ms  
 Construction : Splashproof  
 Weight : < 460 g

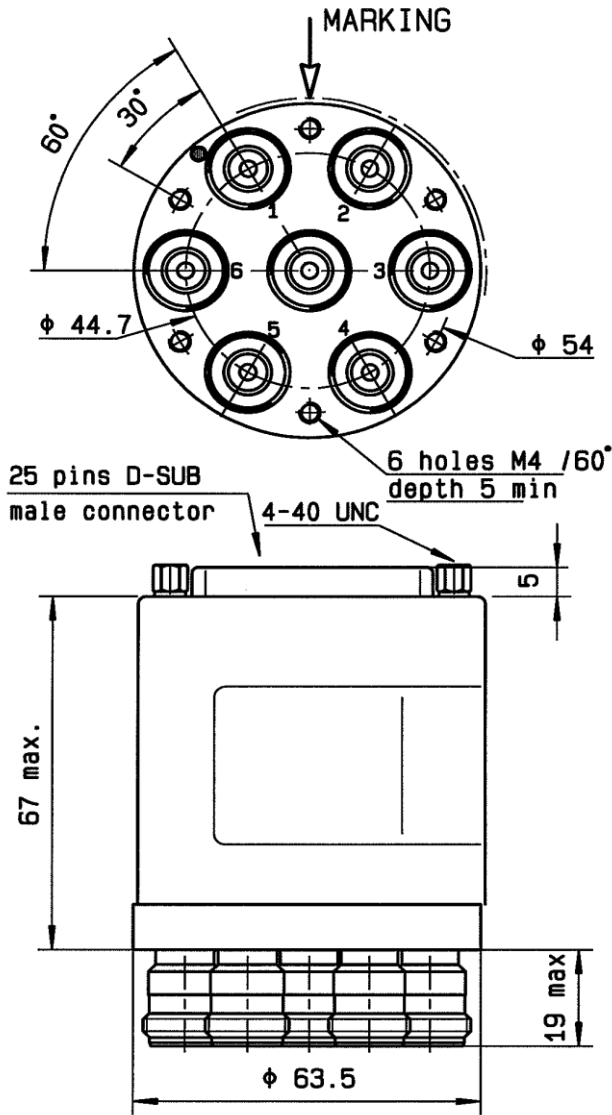
**ENVIRONMENTAL CHARACTERISTICS**

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



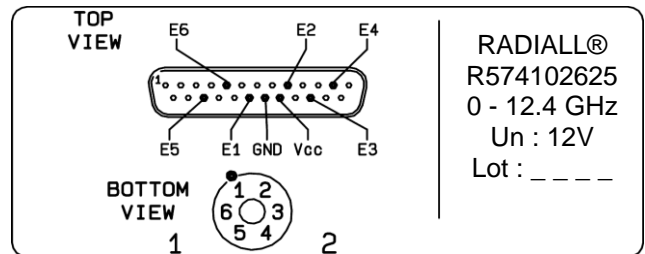
(\* Average power at 25°C per RF Path)  
 (\*\* At 25° C ±10%)  
 (\*\*\*) Nominal voltage ; 25° C)

**DRAWING**



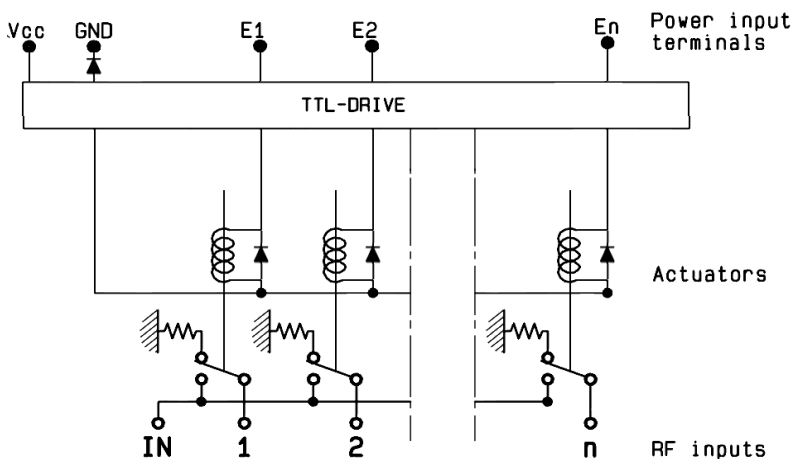
TTL input	RF Continuity
E1 = 1	IN ↔ 1
E2 = 1	IN ↔ 2
E3 = 1	IN ↔ 3
E4 = 1	IN ↔ 4
E5 = 1	IN ↔ 5
E6 = 1	IN ↔ 6

**LABEL**



General tolerances : ±0.5 mm

**SCHEMATIC DIAGRAM**



This information is given as an indication. In order to improve our products, we reserve the right to make any modifications judged necessary