



40 GHz SMA-2.9 LATCHING S.P.6 T. SWITCH

OPTIONS : INDICATOR / TTL DRIVE / SUPP.DIODES

R F CHARACTERISTICS

NUMBER OF WAYS : 6
 FREQUENCY RANGE : 0 - 40 GHz
 IMPEDANCE : 50 Ohms

| | | | | | |
|-----------------|---------|---------|----------|----------|----------|
| FREQUENCY (GHz) | 0 - 6 | 6 -12.4 | 12.4- 18 | 18 -26.5 | 26.5- 40 |
| V.S.W.R <= | 1.30 | 1.40 | 1.50 | 1.70 | 2.20 |
| INSERT. LOSS <= | 0.20 dB | 0.40 dB | 0.50 dB | 0.70 dB | 1.10 dB |
| ISOLATION >= | 70 dB | 60 dB | 60 dB | 55 dB | 50 dB |
| AVER. POWER (*) | 40 W | 30 W | 25 W | 15 W | 5 W |

ELECTRICAL CHARACTERISTICS

ACTUATOR : LATCHING
 NOMINAL CURRENT AT 25° C (±10%) : 125 mA / RESET : 750 mA (**)
 ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
 TERMINALS : solder pins (250°C max./30 sec.)
 INDICATOR RATING : 1 W / 30 V / 100 mA
 TTL INPUTS (E) - High level : 2.2 to 5.5V / 800µA at 5V
 - Low level : 0 to 0.8V / 20µA at 0.8V

MECHANICAL CHARACTERISTICS

CONNECTORS : SMA 2.9 fem.per MIL C 39012
 LIFE : 2.000.000 cycles per position
 SWITCHING TIME (nominal voltage;25° C) : < 15 ms
 CONSTRUCTION : splashproof
 WEIGHT : < 220 g

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE (°C) : -40 , +85
 STORAGE TEMPERATURE RANGE (°C) : -55 , +85

(* : average power at 25° C per RF path)
 (** RESET : supply voltage time 1sec. max./duty cycle 10%)

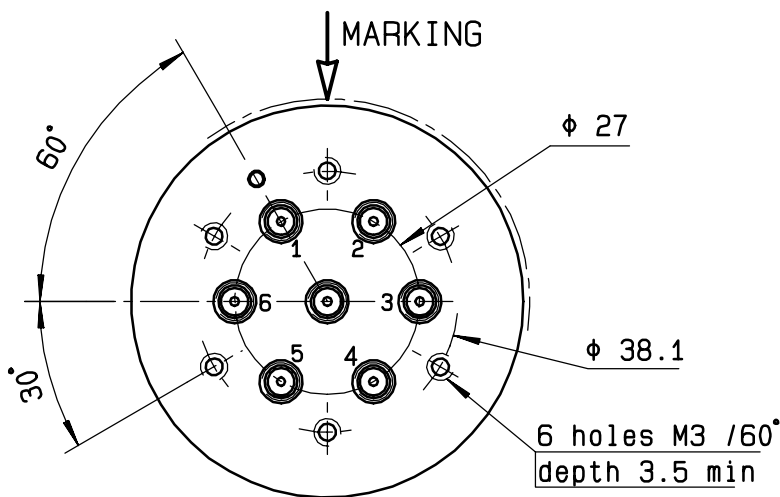
This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

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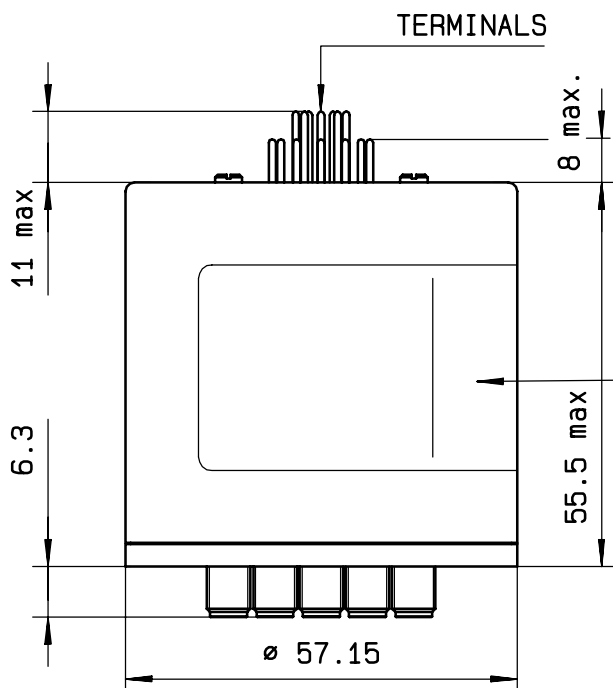
DRAWING

General tolerance: ± 0,5 mm

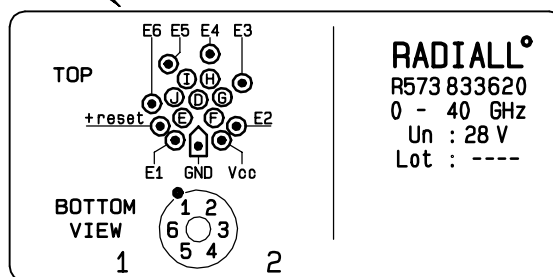
R573 833620



| TTL input | RF continuity | Ind. |
|-----------|----------------|------|
| RESET = 1 | All ports open | -- |
| E1 = 1 | IN ↔ 1 | D.E |
| E2 = 1 | IN ↔ 2 | D.F |
| E3 = 1 | IN ↔ 3 | D.G |
| E4 = 1 | IN ↔ 4 | D.H |
| E5 = 1 | IN ↔ 5 | D.I |
| E6 = 1 | IN ↔ 6 | D.J |

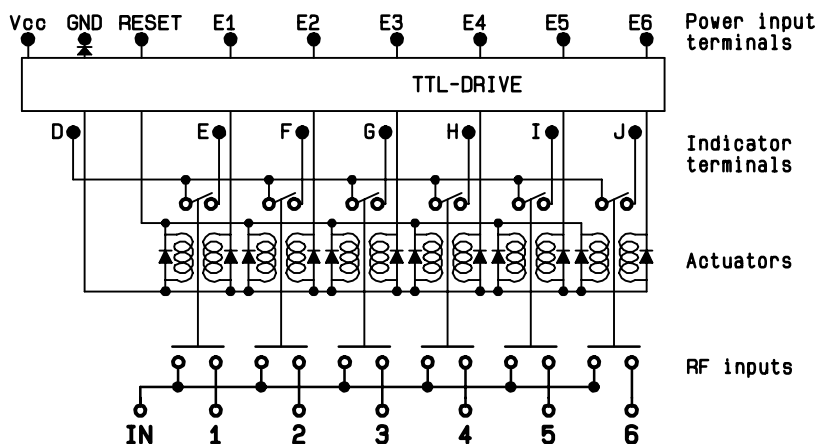


MARKING TOP VIEW (TERMINALS)



RADIAL[®]
R573 833620
0 - 40 GHz
Un : 28 V
Lot : ----

SCHEMATIC DIAGRAM



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