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RF CHARACTERISTICS

Number of ways	:	**3**
Frequency range	:	**0 - 18 GHz**
Impedance	:	**50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator	:	**LATCHING**
Nominal current **	:	**250 mA**
Actuator voltage (Vcc)	:	**28V (24 to 30V)**
Terminals	:	**solder pins (250°C max. / 30 sec.)**
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	:	**SMA female per MIL-C 39012**
Life	:	**5 million cycles per position**
Switching Time***	:	**< 40 ms**
Construction	:	**Splashproof**
Weight	:	**< 220 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)
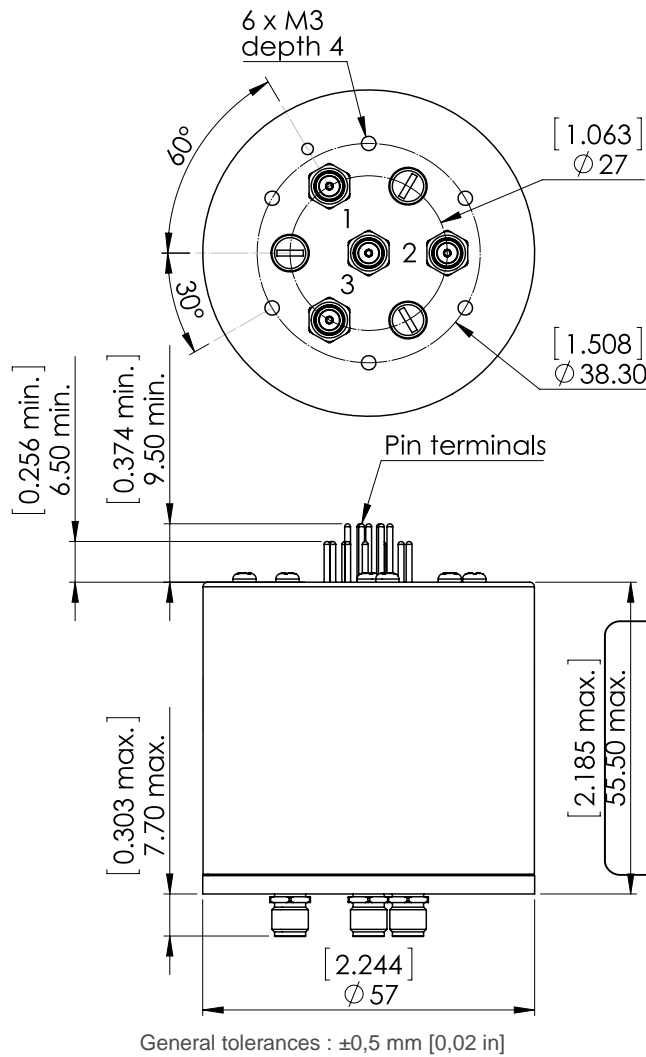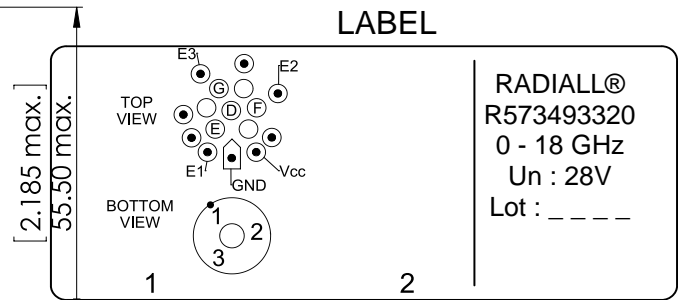(**   At 25° C ±10%)
(***   Nominal voltage ; 25° C)

RoHS COMPLIANT

Technical Data Sheet
SP3T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators
28Vdc TTL Diodes Pins Terminals

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DRAWING

6 x M3
depth 4

60°

30°

[1.063] Ø 27

[1.508] Ø 38.30

[0.256 min.] 6.50 min.

[0.374 min.] 9.50 min.

Pin terminals

[0.303 max.] 7.70 max.

[2.185 max.] 55.50 max.

[2.244] Ø 57

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

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

LABEL

TOP VIEW
E3 E2
G D F
E
E1 Vcc
GND

BOTTOM VIEW
1 2
3

1   2

RADIALL®
R573493320
0 - 18 GHz
Un : 28V
Lot : _ _ _ _

SCHEMATIC DIAGRAM

Vcc RTN   E1   E2   En   Power input terminals

CUT-OFF / AUTO-RESET / TTL-DRIVE

D   E   F   Indicator terminals

Actuators

RF inputs

IN   1   2   n