RF CHARACTERISTICS

Number of ways	: **12**
Frequency range	: **0 - 12.4 GHz**
Impedance	: **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.40	1.60
Insertion loss max	0.20 dB	0.40 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	240 W	150 W	120 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 **	: **500 mA**
Actuator voltage (Vcc)	: **28V (24 to 30V)**
Terminals	: **44 pins D-SUB male connector**
Indicator rating	: **1 W / 30 V / 100 mA**
Self cut-off time	: **40 ms < CT < 120 ms**
BCD inputs (E) - High level	: **3.5 to 5.5 V / 800µA at 5.5 V**
- Low level	: **0 to 1.5 V / 20µA at 0.8 V**

MECHANICAL CHARACTERISTICS

Connectors	: **SMA female per MIL-C 39012**
Life	: **2 million cycles per position**
Switching Time***	: **< 50 ms**
Construction	: **Splashproof**
Weight	: **< 400 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)
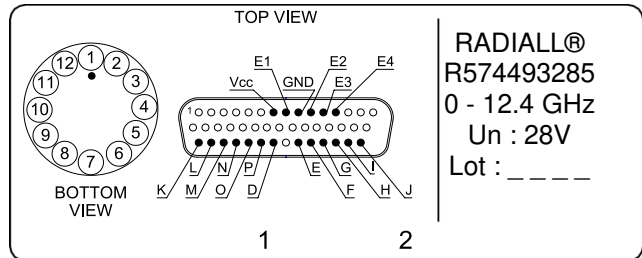(**   At 25° C ±10%)
(***   Nominal voltage ; 25° C)

RoHS COMPLIANT

DRAWING

4 x M3 depth 4

[1.598] Ø 40.60

15°

30°

[2.201] Ø 55.90

44 pins high density D-SUB male connector

4-40 UNC

[0.303 max.] 7.70 max.

[2.598 max.] 66 max.

[2.795 max.] 71 max.

[2.689] Ø 68.30
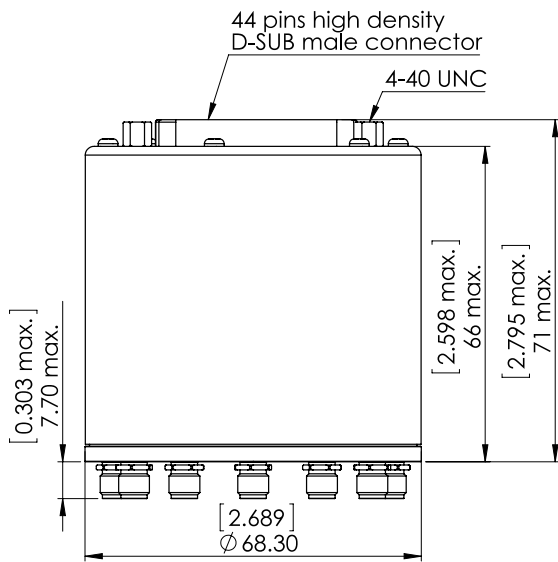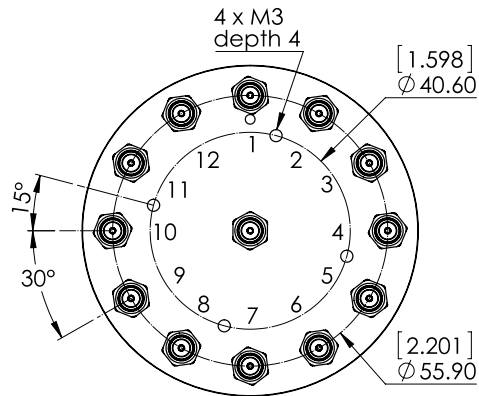
General tolerances : ±0,5 mm [0,02 in]

BCD TRUTH TABLE

E4	E3	E2	E1	RF continuity	Ind.
0	0	0	0	All ports open (Forced Reset)	- -
0	0	0	1	IN ↔ 1	D.E
0	0	1	0	IN ↔ 2	D.F
0	0	1	1	IN ↔ 3	D.G
0	1	0	0	IN ↔ 4	D.H
0	1	0	1	IN ↔ 5	D.I
0	1	1	0	IN ↔ 6	D.J
0	1	1	1	IN ↔ 7	D.K
1	0	0	0	IN ↔ 8	D.L
1	0	0	1	IN ↔ 9	D.M
1	0	1	0	IN ↔ 10	D.N
1	0	1	1	IN ↔ 11	D.O
1	1	0	0	IN ↔ 12	D.P

LABEL

TOP VIEW

E1 E2 E4
Vcc GND E3

BOTTOM VIEW

L N P E G J
K M O D F H

1   2

RADIALL®
R574493285
0 - 12.4 GHz
Un : 28V
Lot : _ _ _ _

SCHEMATIC DIAGRAM

Vcc RTN   E1   E2   E3   E4   Power input terminals

CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE

D   E   F   Indicator terminals

Actuators

IN   1   2   n   RF inputs