

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



50Ω TERMINATED 18GHz SMA LATCHING S.P.6 T. SWITCH

Page
1 / 2

OPTIONS: INDICATOR /SELF CUT-OFF /AUTO RESET /BCD DECODER /SUPP.DIODES

RF CHARACTERISTICS

NUMBER OF WAYS : 6
FREQUENCY RANGE : 0 - 18 GHz
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 3	3 - 8	8 -12.4	12.4- 18
V.S.W.R <=	1.20	1.30	1.40	1.50
INSERT. LOSS <=	0.20 dB	0.30 dB	0.40 dB	0.50 dB
ISOLATION >=	80 dB	70 dB	60 dB	60 dB
AVER. POWER (*)	240 W	150 W	120 W	100 W

TERMINATION IMPEDANCE : 50 Ohms
TERMINATION AVG. POWER AT 25° C : 1 W per termination
3 W total power

ELECTRICAL CHARACTERISTICS

ACTUATOR : LATCHING
NOMINAL CURRENT AT 25° C (±10%) : 960 mA
ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
TERMINALS : 25 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 5.5V / 800µA at 5V
- Low level : 0 to 1.5V / 20µA at 0.8V

MECHANICAL CHARACTERISTICS

CONNECTORS : SMA female per MIL-C 39012
LIFE : 2.000.000 cycles per position
SWITCHING TIME (nominal voltage;25° C) : < 40 ms
CONSTRUCTION : splashproof
WEIGHT : < 250 g

ENVIRONMENTAL CHARACTERISTICS

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

(* : average power at 25° C per RF path)

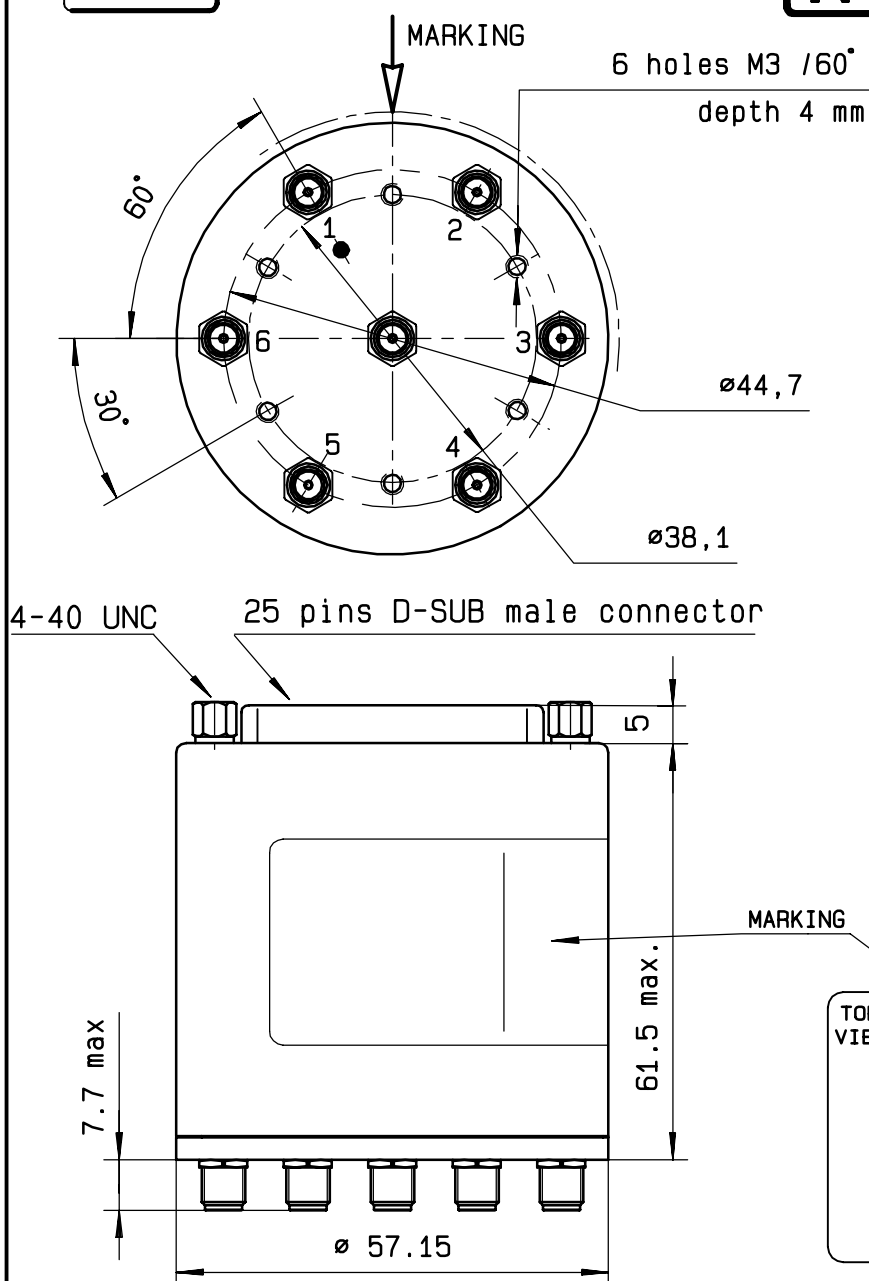
This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

DRAWING

General tolerance: $\pm 0,5$ mm

R574 492.685

Page
2/2

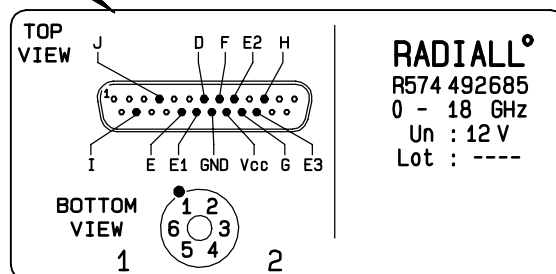


BCD TRUTH TABLE

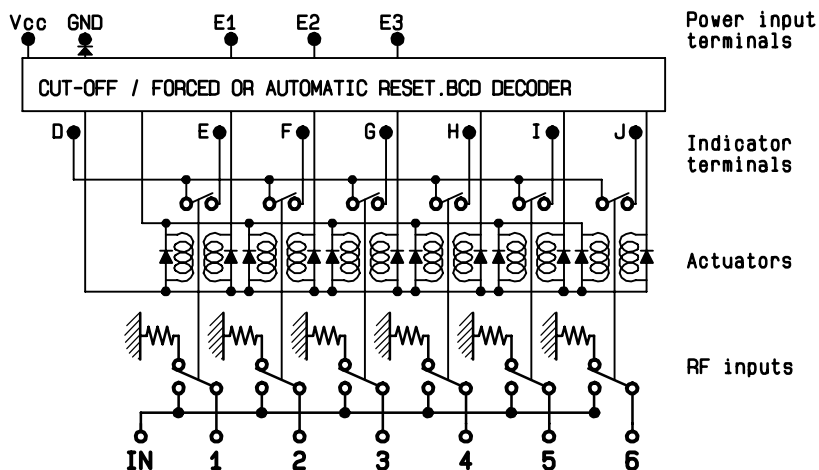
E3	E2	E1	RF continuity	Ind.
0	0	0	ALL PORTS OPEN (FORCED RESET)	--
0	0	1	IN $\leftrightarrow$ 1	D.E
0	1	0	IN $\leftrightarrow$ 2	D.F
0	1	1	IN $\leftrightarrow$ 3	D.G
1	0	0	IN $\leftrightarrow$ 4	D.H
1	0	1	IN $\leftrightarrow$ 5	D.I
1	1	0	IN $\leftrightarrow$ 6	D.J

MARKING

TOP VIEW (TERMINALS)



SCHEMATIC DIAGRAM



ISSUE 22.Jan.08