RADIALL® Microwave components | TECHNICAL DATA SHEET | R574492225

50Ω TERMINATED 12.4 GHz SMA LATCHING S.P.12T. SWITCH

OPTIONS: INDICATOR /SELF CUT-OFF /AUTO RESET / TTL DRIVE /SUPP.DIODES

R F CHARACTERISTICS

NUMBER OF WAYS : 12
FREQUENCY RANGE : 0 - 12.4 GHz
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 3	3 - 8	8 -12.4
V.S.W.R <=	1.20	1.40	1.80
INSERT. LOSS <=	0.20 dB	0.35 dB	0.70 dB
ISOLATION >=	80 dB	70 dB	60 dB
AVER. POWER (*)	240 W	150 W	120 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%) : 1280 mA
ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
TERMINALS : 44 pins D-SUB male connector
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 5.5V / 800µA at 5V
- Low level : 0 to 0.8V / 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) : < 50 ms
CONSTRUCTION : splashproof
WEIGHT : < 400 g

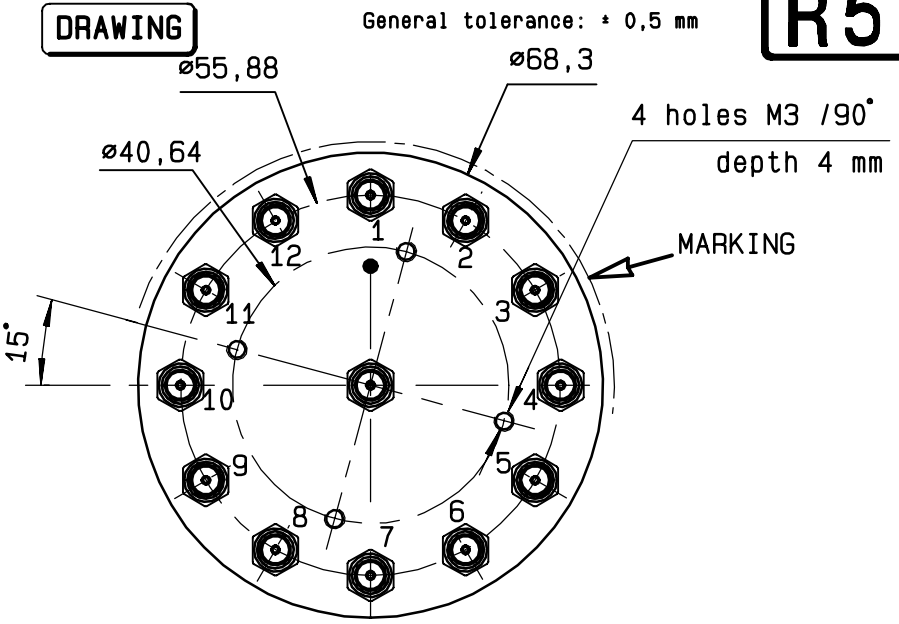
ENVIRONMENTAL CHARACTERISTICS

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

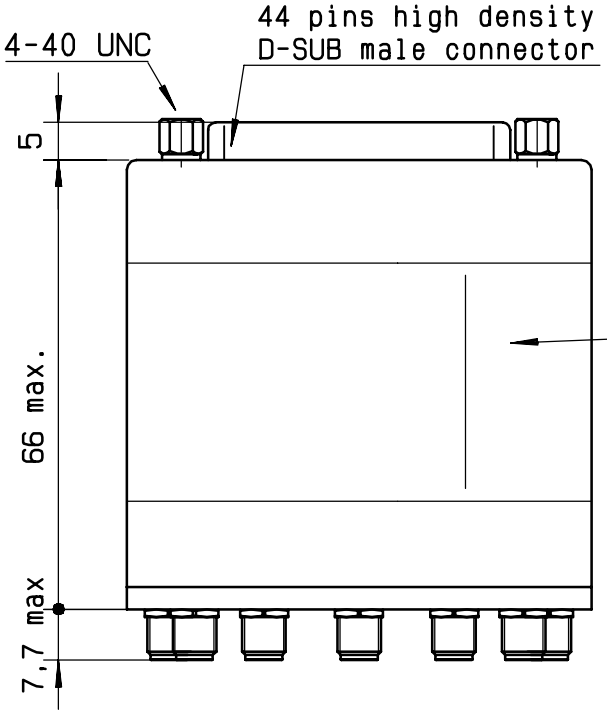
(* : average power at 25° C per RF path)

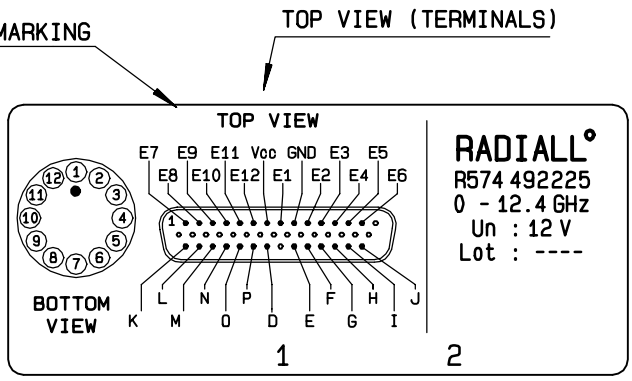
R574.492.225

DRAWING

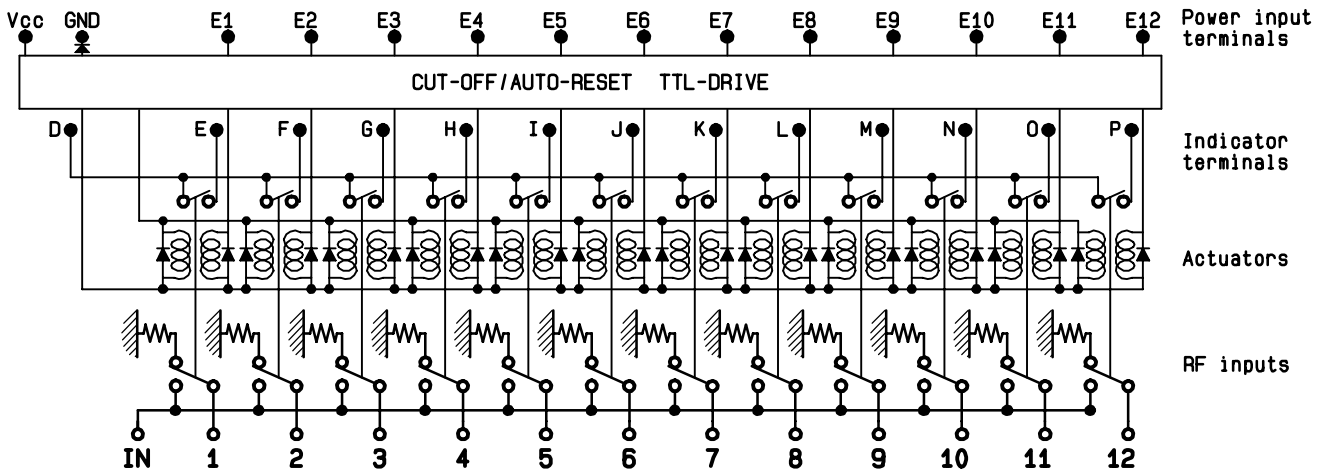


TTL input	RF continuity	Ind.
E1 = 1	IN ◄► 1	D.E
E2 = 1	IN ◄► 2	D.F
E3 = 1	IN ◄► 3	D.G
E4 = 1	IN ◄► 4	D.H
E5 = 1	IN ◄► 5	D.I
E6 = 1	IN ◄► 6	D.J
E7 = 1	IN ◄► 7	D.K
E8 = 1	IN ◄► 8	D.L
E9 = 1	IN ◄► 9	D.M
E10 = 1	IN ◄►10	D.N
E11 = 1	IN ◄►11	D.O
E12 = 1	IN ◄►12	D.P





SCHEMATIC DIAGRAM



ISSUE 22.Jan.08