

RF CHARACTERISTICS

Number of ways : 10
Frequency range : 0 - 22 GHz
Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15.5	15.5 - 18	18 - 22
VSWR max	1,20	1,30	1,40	1,50	1,70	1,80
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	55 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W	90 W

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

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN
Nominal current ** : 102 mA
Actuator voltage (Vcc) : 28V (24 to 30V)
Terminals : 25 pins D-SUB male connector
Indicator rating : 1 W / 30 V / 100 mA
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*** : < 15 ms
Construction : Splashproof
Weight : < 360 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)



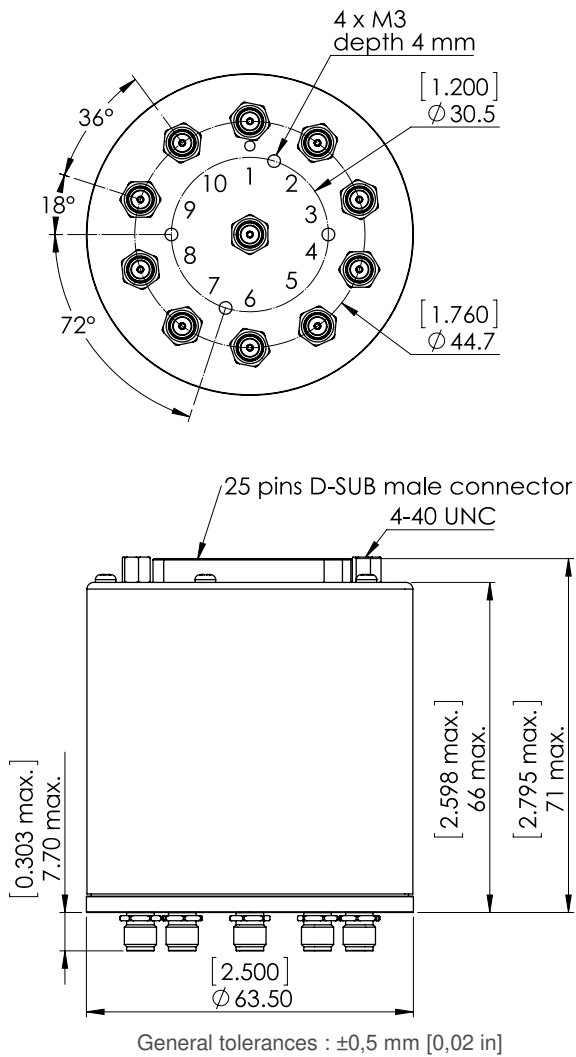
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SERIE : SPnT

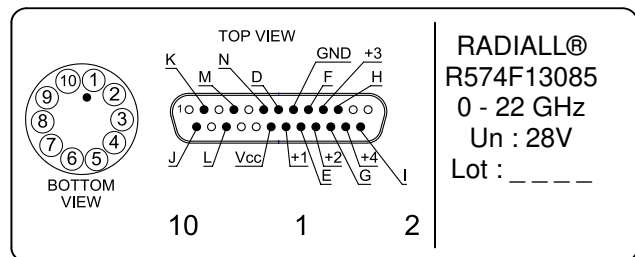
PART NUMBER : R574F13085

DRAWING



BCD TRUTH TABLE					
E4	E3	E2	E1	RF continuity	Ind.
0	0	0	0	Last Position	--
1	1	1	1	All ports open	--
0	0	0	1	IN \leftrightarrow 1	D.E
0	0	1	0	IN \leftrightarrow 2	D.F
0	0	1	1	IN \leftrightarrow 3	D.G
0	1	0	0	IN \leftrightarrow 4	D.H
0	1	0	1	IN \leftrightarrow 5	D.I
0	1	1	0	IN \leftrightarrow 6	D.J
0	1	1	1	IN \leftrightarrow 7	D.K
1	0	0	0	IN \leftrightarrow 8	D.L
1	0	0	1	IN \leftrightarrow 9	D.M
1	0	1	0	IN \leftrightarrow 10	D.N

LABEL



SCHEMATIC DIAGRAM

