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ISSUE 11-12-17

SERIE : SPnT

PART NUMBER : R574113285

## RF CHARACTERISTICS

Number of ways : 12  
Frequency range : 0 - 8 GHz  
Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8
VSWR max	1.35	1.70
Insertion loss max	0.50 dB	1.00 dB
Isolation min	70 dB	60 dB
Average power (*)	400 W	250 W

VSWR values are not applicable for internal terminations

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 : 44 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 : N female per MIL-C 39012  
Life : 2 million cycles per position  
Switching Time\*\*\* : < 15 ms  
Construction : Splashproof  
Weight : < 1100 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)



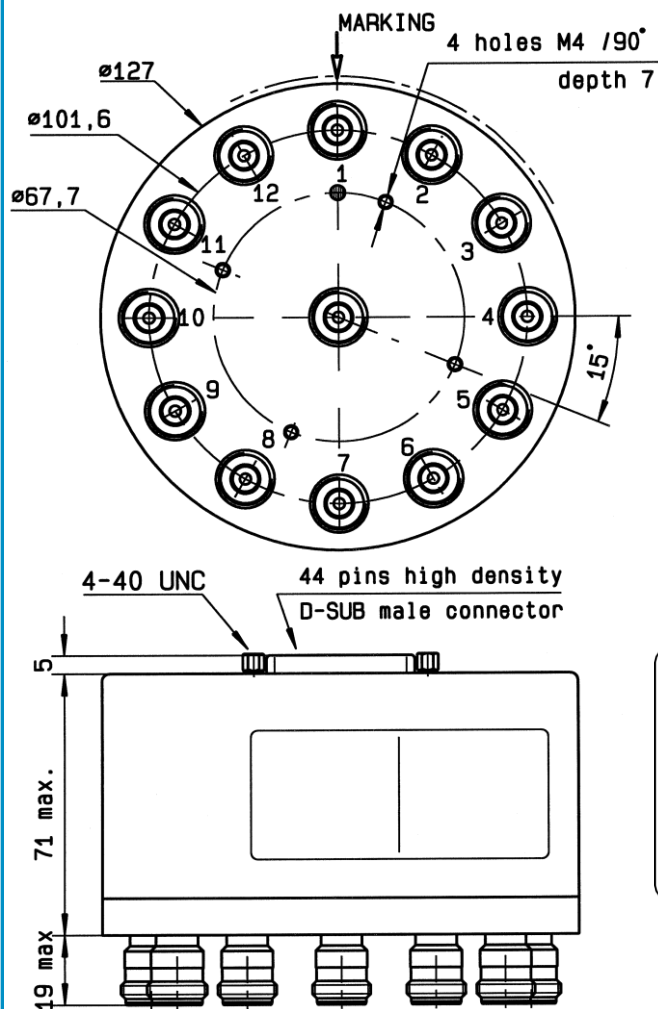
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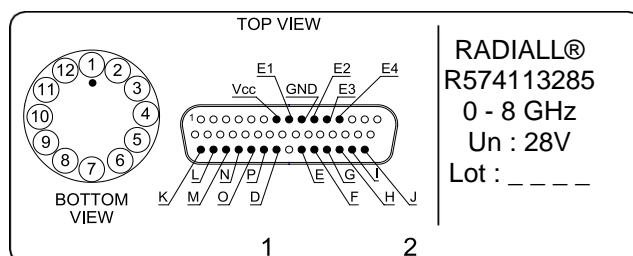
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DRAWING



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 ↔ 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**



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

SCHEMATIC DIAGRAM

