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ISSUE **25-11-22**

SERIE : **SPnT**

PART NUMBER : **R574F83225**

RF CHARACTERISTICS

Number of ways : **12**
Frequency range : **0 - 18 GHz**
Impedance : **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15	15 - 18
VSWR max	1,20	1,40	1,60	1,70	1,80
Insertion loss max	0.20 dB	0.40 dB	0.60 dB	0.70 dB	0.80 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	110 W	100 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**
Self cut-off time : **40 ms < CT < 120 ms**
TTL inputs (E) - High level : **2.2 to 5.5 V / 800µA at 5.5 V**
- Low level : **0 to 0.8 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)



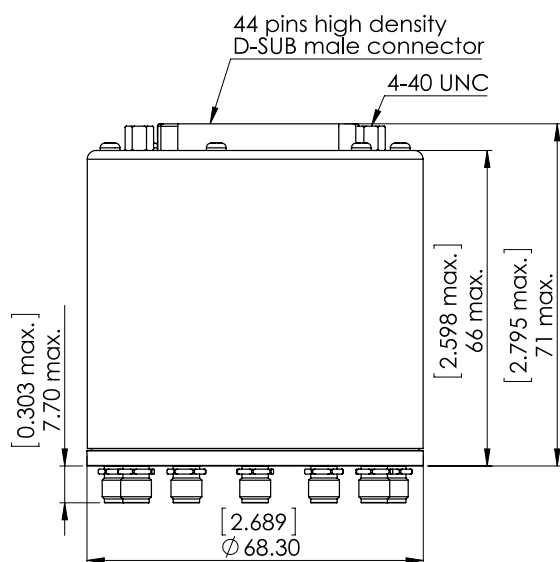
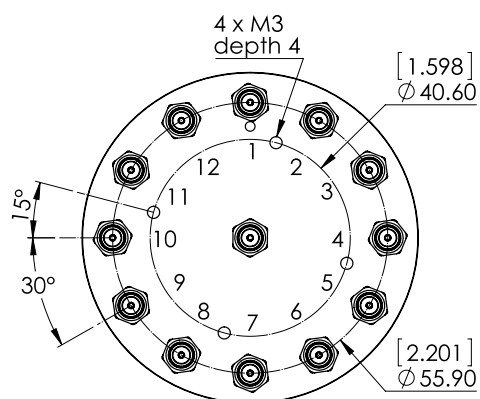
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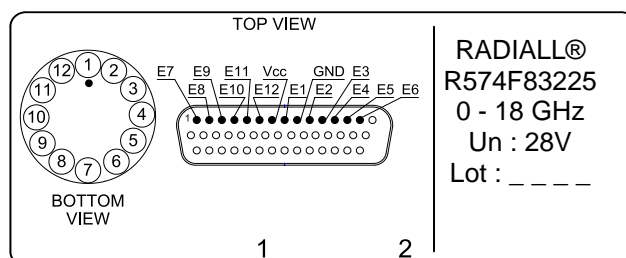
DRAWING



General tolerances : $\pm 0,5$ mm [0,02 in]

TTL input	RF Continuity
E1 = 1	IN \leftrightarrow 1
E2 = 1	IN \leftrightarrow 2
E3 = 1	IN \leftrightarrow 3
E4 = 1	IN \leftrightarrow 4
E5 = 1	IN \leftrightarrow 5
E6 = 1	IN \leftrightarrow 6
E7 = 1	IN \leftrightarrow 7
E8 = 1	IN \leftrightarrow 8
E9 = 1	IN \leftrightarrow 9
E10 = 1	IN \leftrightarrow 10
E11 = 1	IN \leftrightarrow 11
E12 = 1	IN \leftrightarrow 12

LABEL



SCHEMATIC DIAGRAM

