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ISSUE **09-07-25**

SERIE : **SPnT**

PART NUMBER : **R5834B3141BR**

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

Cryogenic characteristics are not measured during product acceptance test.

RF performances are based on customers test reports

ELECTRICAL CHARACTERISTICS

Actuator (***) : **LATCHING**
 Nominal current : **62.5 mA**
 Actuator voltage (Vcc) : **28V (24 to 30V)**
 Terminals : **solder pins (250°C max. / 30 sec.)**

MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**
 Life : **3 million cycles per position**
 Switching Time*** : **< 15 ms**
 Construction : **Splashproof**
 Weight : **800 g max (nominal weight 700 g)**

RF body and cover are made of brass material

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-273°C to +85°C**
 Storage temperature range : **-273°C to +85°C**

(* Specified with only one way switched)

(** Average power at 25°C per RF Path)

(*** More than one position can be switched at the same time)



PEN 25013494-10A

Name: BENAFOU A

Date: 24/02/25

09-07-25	Final Issue	AB
02-04-25	Final PN Assignment	AB
Issue	Revision	App.

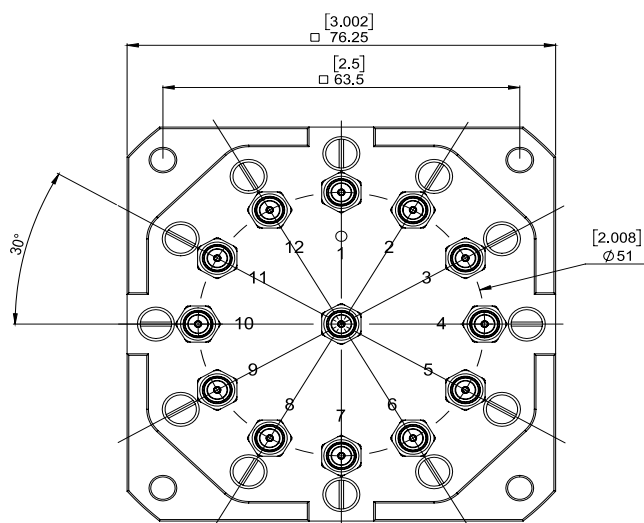
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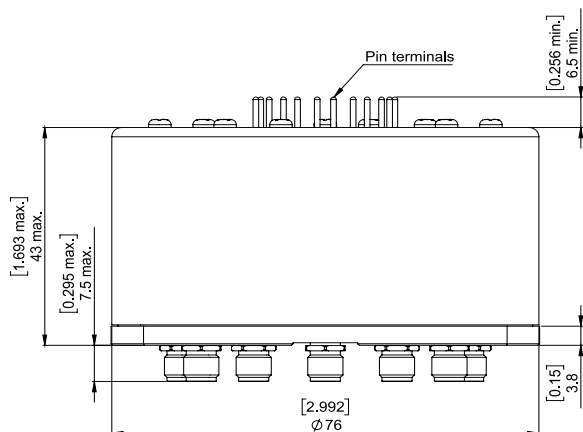
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DRAWING

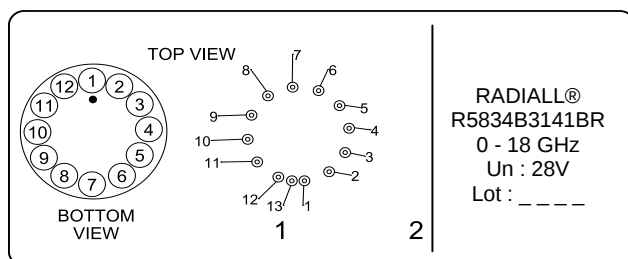


Voltage		RF Continuity
+	-	
1	2	IN ↔ 1 closed
2	1	IN ↔ 1 open
2	3	IN ↔ 2 closed
3	2	IN ↔ 2 open
3	4	IN ↔ 3 closed
4	3	IN ↔ 3 open
4	5	IN ↔ 4 closed
5	4	IN ↔ 4 open
12	13	IN ↔ 12 closed
13	12	IN ↔ 12 open



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

LABEL



SCHEMATIC DIAGRAM

To reduce impact on system temperature, the same magnetic field can be applied with half current. Reset can be accomplished by reversing the direction of current in the circuit.

