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ISSUE 09-03-21

SERIE : DP3T

PART NUMBER : R585443010

## RF CHARACTERISTICS

Frequency range : 0 - 18 GHz  
Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

## ELECTRICAL CHARACTERISTICS

Actuator : LATCHING  
Nominal current \*\* : 160 mA  
Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON  
Terminals : solder pins (250°C max. / 30 sec.)  
Indicator rating : 1 W / 30 V / 100 mA

## MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012  
Life : 10 million cycles  
Switching Time\*\*\* : < 10 ms  
Construction : Splashproof  
Weight : < 100 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)



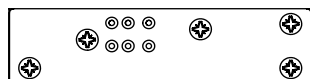
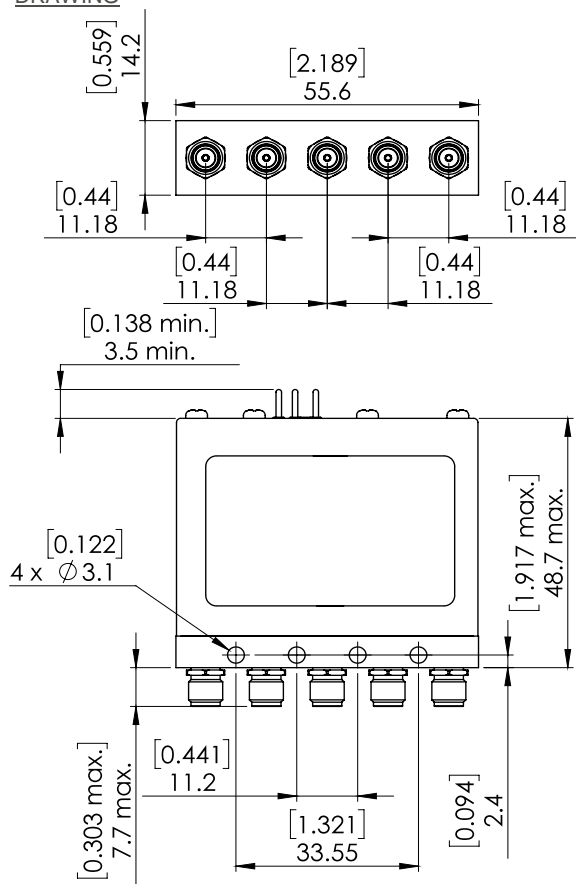
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DRAWING

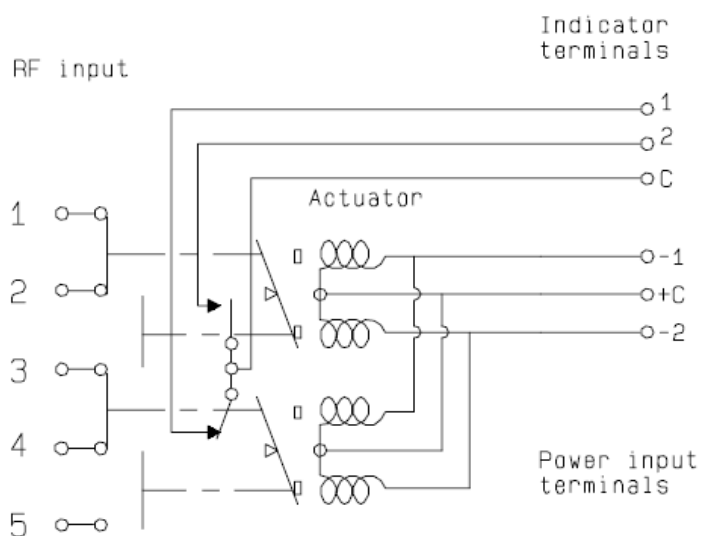


General tolerances :  $\pm 0,5$  mm [0,02 in]

**LABEL**

-2	-1	+C	0 - 18 GHz	
2	1	C	Un : 28V	
RADIALL®				
R585443010				
Lot : _ _ _ _				
1	2	3	4	5

SCHEMATIC DIAGRAM



Voltage	RF Continuity	Ind.
+C -1	1 ↔ 2 / 3 ↔ 4	C . 1
+C -2	2 ↔ 3 / 4 ↔ 5	C . 2