



Terminated 4 ports bypass Ramses 2.4mm 50GHz Latching Indicators 28Vdc Positive common External loads Pins terminals

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## **RF CHARACTERISTICS**

Frequency range : 0 - 50 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50
VSWR max	1.30	1.40	1.50	1.70	1.90	1.90
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W	5 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 : 2.4mm female (Accoding to IEEE STD 287)

Life : 2 million cycles

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°C Storage temperature range : -40°C to +85°C

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

(\*\* At 25° C ±10%)

(\*\*\* Nominal voltage; 25° C)







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PAGE **2/2** ISSUE **09-03-21** SERIE: BYPASS PART NUMBER: R585J43610 **DRAWING** [2.189] 55.6 **(** 0  $\begin{bmatrix} 0.44 \end{bmatrix}$ 11.18 0.44 0.44 11.18 11.18 [0.138 min.] **LABEL** 3.5 min. -2 2 2 +C 0 - 50 GHz Un: 28V **RADIALL®** R585J43610 [1.917 max.] 48.7 max. Lot : \_ \_ \_ \_ [0.122]4 x 0 3.1 3 4 0.441 0.252 max. [0.094] 2.4 0.827 max.] 6.4 max. 11.2 Sensitive connector: To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket [1.321] 33.55 000 **③ ( 8** 0000 **(** General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Indicator terminals RF input <sub>-0</sub>1 -02  $50\Omega$  Termination -o C Actuator RF Continuity Voltage Ind. \$-W₩~ С +C 50Ω ↔ 1 +C -2  $1 \leftrightarrow 2 / 3 \leftrightarrow 4$ -O+C 0-2 2 ∘ Power input terminals  $\infty$ 4 0-0