



Terminated 4 ports bypass Ramses 2.4mm 50GHz Normally open 28Vdc
TTL Diodes External loads Pins terminals

PAGE 1/2 ISSUE 09-03-21 SERIE : BYPASS PART NUMBER : R585J73700

### **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 : NORMALLY OPEN

Nominal current \*\* : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : solder pins (250°C max. / 30 sec.)

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 : 2.4mm female (Accoding to IEEE STD 287)

Life : 2 million cycles

Switching Time\*\*\* : < 10 ms

Construction : Splashproof

Weight : < 100 g

### **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)



# **Technical Data Sheet**



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PAGE **2/2** ISSUE **09-03-21** SERIE: BYPASS PART NUMBER: R585J73700 **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. E2 E1 GND Vcc 0 - 50 GHz  $\Pi \Pi \Pi \Pi$ Un: 28V **RADIALL®** R585J73700 [1.917 max.] 48.7 max. Lot : \_ \_ \_ \_ [0.122]4 x 0 3.1 3 4 0.441 0.252 max.  $\begin{bmatrix} 0.094 \\ 2.4 \end{bmatrix}$ 0.827 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 **③** General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** RF input 50Ω Termination Actuator ¥₩0-RF Continuity TTL input E1=1 / E2=0 50Ω↔1 / 2↔3 -OVcc E1=0 / E2=1 **→**ORTN E1=0 / E2=0 50Ω↔1 / 3↔4 ⊙E1 E1=1 / E2=1 Forbidden -0E2 Power input terminals