



DPDT Ramses 2.4mm 50GHz Latching Self-cut-off 28Vdc Positive common Diodes D-sub connector

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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	2.00
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 \*\* : 125 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON

Terminals : 9 pins D-SUB male connector

Self cut-off time : 40 ms < CT < 120 ms

# MECHANICAL CHARACTERISTICS

Connectors : 2.4mm female (Accoding to IEEE STD 287)

Life : 2 million cycles

Switching Time\*\*\* : < 15 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)





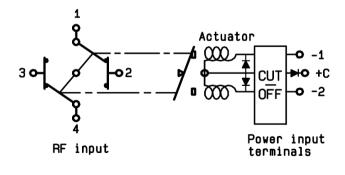


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common Diodes D-sub connector PAGE **2/2** ISSUE 16-04-20 SERIE: DPDT PART NUMBER: R577J53017 **DRAWING** 0.909 23.10 0.638 □ 16.20 4 x M3 depth 3.50 LABEL 0.909 D-SUB 9 PINS TOP VIEW **RADIALL®** R577J53017 0 - 50 GHz Un: 28V 000 Lot : \_ \_ \_ \_ 0 0 0 0 [2.205 max.] 56 max. 2.008 max. 51 max. [0.264 max.] 6.70 max. Sensitive connector: To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket 4-40 UNC 1.276 □ 32.40

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

# SCHEMATIC DIAGRAM



Voltage	RF Continuity			
+C -1	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$			
+C -2	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$			