



*Products for tomorrow*

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**Reed Relay:** CRR05-1A  
**Part Number:** 9605180012

**Dimensions (mm) Unspecified Tolerances +/- 0.25**

**Relay Pad Layout / Bottom View**

**Schematic / Top View**

**Recommended PCB Layout / Top View**

**Marking**

**Packaging**

**Relay Packaging Orientation**

Coil/Relay Characteristics	Conditions at 20°C	Min.	Typ.	Max.	Units
Coil Resistance		135	150	165	Ω
Nominal Voltage			5		VDC
Nominal Rated Power			167		mW
Operate Voltage				3.75	VDC
Release Voltage		0.75			VDC

Contact Data (Form A/dry)				
Contact Rating	Any combination of the switching voltage and current must not exceed the given rated power		10	W
Switching Voltage	DC or Peak AC		170	V
Switching Current	DC or Peak AC		0.5	A
Carry Current	DC or Peak AC		0.5	A
Static Contact Resistance (initial)	Measured with Nominal Voltage		250	mΩ



*Products for  
Automotive*

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Insulation Resistance	RH 45%, 100V applied	10 <sup>12</sup>	10 <sup>13</sup>		Ω
Breakdown Voltage	Voltage applied for 1 minute min.	210			VDC
Operate Time, including Bounce	Measured with Nominal Voltage		0.1		ms
Release Time	Measured with no coil suppression		0.02		ms
Capacitance			0.1		pF

Environmental Data					
Insulation Resistance Coil to Contact	RH 45%, 100V applied	10 <sup>13</sup>	10 <sup>14</sup>		Ω
Dielectric Strength Coil to Contact		1.5			kV DC
Shock	½ sine wave, duration 11ms			50	G
Vibration	from 10 - 2000 Hz			10	G
Operating Temperature	10°C/min max. allowable	-40		125	°C
Storage Temperature	10°C/min max. allowable	-55		125	°C
Soldering Temperature	5 sec. at			260	°C
Cleaning		fully sealed			
Material of Case		Ceramic			
Sealing Compound		Mineral filled epoxy			
Material of Pads		Au plated			
Remarks					

Customer / Customer part number	
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