



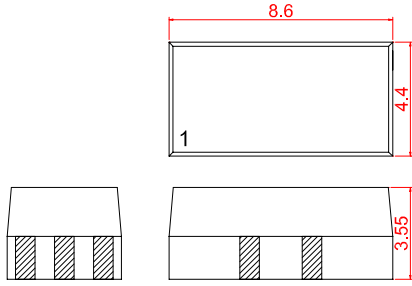
Products for
Tomorrow

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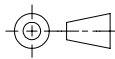
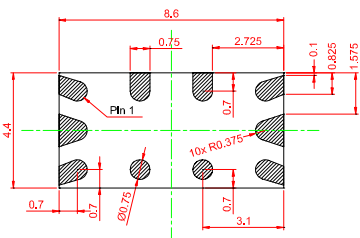
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Reed Relay: CRF05-1A
Part Number: 9605180022

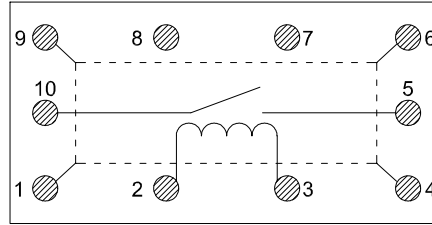
Dimensions (mm) Unspecified Tolerances +/-0.25



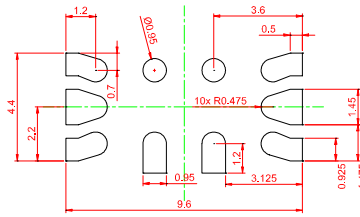
Relay Pad Layout / Bottom View



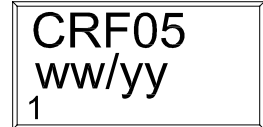
Schematic / Top View



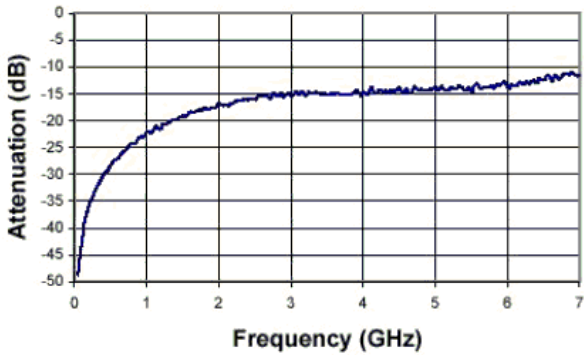
Recommended PCB Layout / Top View



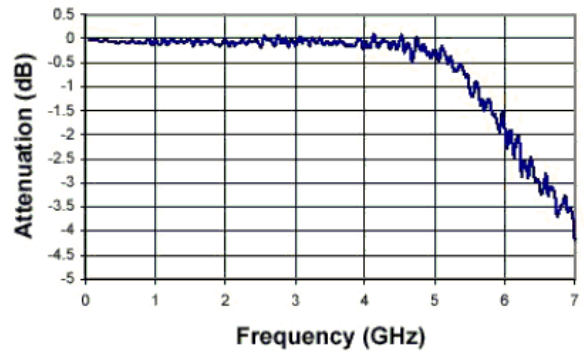
Marking



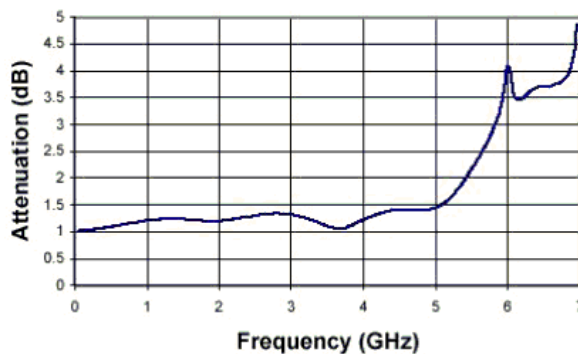
CRF05-1A Isolation S₂₁



CRF05-1A Insertion Loss S₂₁



CRF05-1A VSWR S₁₁





Products for tomorrow

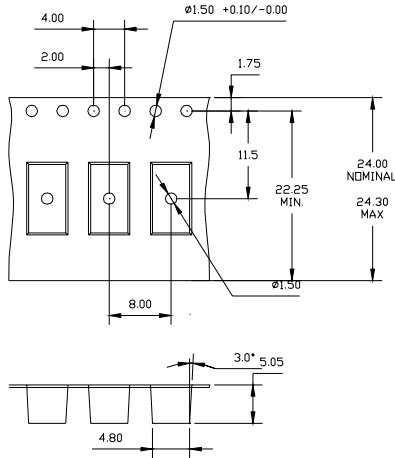
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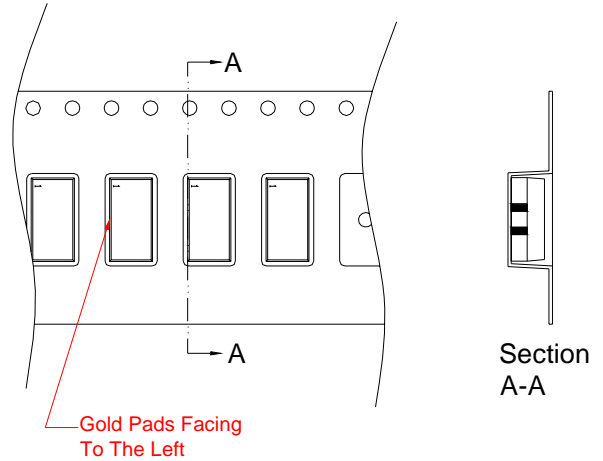
Reed Relay: CRF05-1A

Part Number: 9605180022

Packaging



Relay Packaging Orientation



RF Characteristics	Min.	Typ.	Max.	Units
Characteristic Impedance		50		Ω
S-Parameters Available Upon Request				

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 m Ω
Insulation Resistance	RH 45%, 100V applied	10^{12}	10^{13}	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^{13}	10^{14}	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	RF data available upon request, please consult factory			

Customer / Customer part number	
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