

### SPECIFICATIONS

Parameters	Conditions	Min	Typ	Max	Units
<b>Contact Ratings</b>					
Switching Voltage	Max DC/Peak AC Resistive			100	Volts
Switching Current	Max DC/Peak AC Resistive			0.25	Amps
Carry Current	Max DC/Peak AC Resistive			0.5	Amps
Contact Rating	Max DC/Peak AC Resistive			3	Watts
Life Expectancy	Signal Level 1.0V, 10mA		250		x 10 <sup>6</sup> Ops
Static Contact Resistance	50mV, 10mA			150	mOhms
Dynamic Contact Resistance	0.5V, 50mA at 100Hz, 1.5msec			200	mOhms
Contact Material			Ru		
<b>Relay Specifications</b>					
Insulation Resistance	Between all isolated pins at 100V, 25°C, 40%RH	10 <sup>10</sup>			Ohms
Capacitance Across Open Contacts	Coil Floating		0.2		pF
Open Contact to Coil Capacitance			1		pF
Dielectric Strength	Between Contacts	150			VDC/Peak AC
	Contacts to Shield	150			VDC/Peak AC
	Contacts to Coil	500			VDC/Peak AC
Operate Time, including bounce	At Nominal Coil Voltage		0.3		msec
	30Hz Square Wave				
Release Time	Zener-Diode Suppression		0.2		msec
<b>Environmental Ratings</b>					
Storage Temperature		-55		+100	°C
Operating Temperature		-40		+85	°C

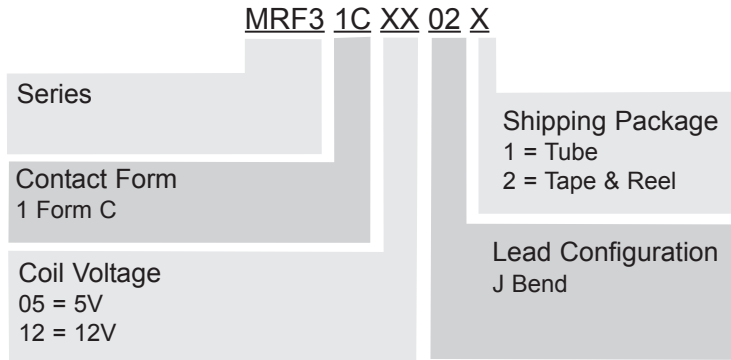
### COIL SPECIFICATIONS

	Coil Voltage			Coil Resistance			Operate Voltage			Release Voltage		
	Volts			Ohms			Volts			Volts		
<b>Units</b>												
<b>Conditions</b>				+/- 10% (25°C)			Must operate by (25°C)			Must release by (25°C)		
<b>Part #</b>	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
<b>MRF31C0502X</b>		5	7	81	90	99			3.75	0.4		
<b>MRF31C1202X</b>		12	15	180	200	220			9	1		



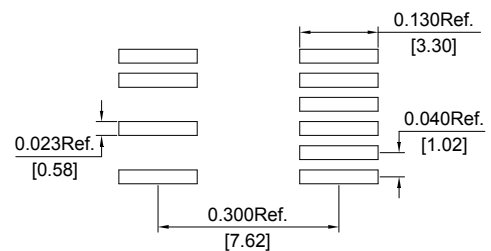
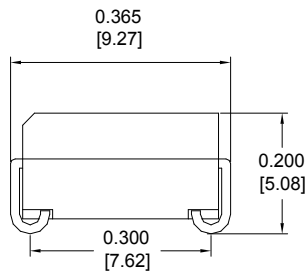
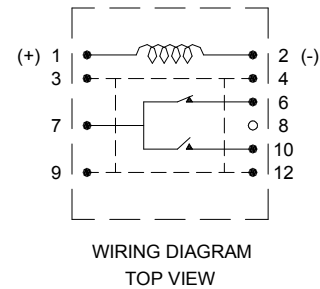
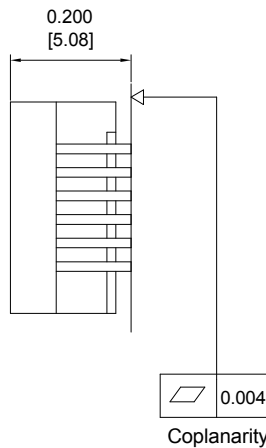
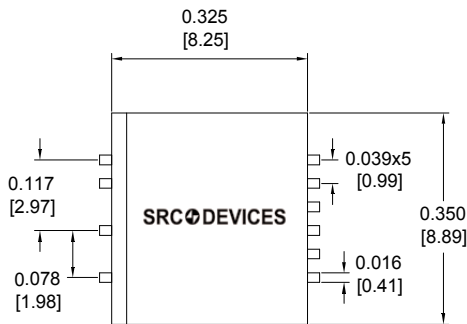
### ORDERING INFORMATION

A complete part number is represented by the digits below



### MECHANICAL DIMENSIONS

Dimensions in inches [mm]



Recommended  
PCB Pad Layout.

