SRC DEVICES

MSS6

DIP 16 Series Reed Relay

DESCRIPTION

SRC Devices' MSS6 relay uses a standard 16-pin DIP package. All relays are completely sealed and made of plastic material that conforms to UL94 flammablility standard. All types offer more than a billion operations, during which the contact resistance remains stable (±5mOhms), regardless of load or temperature.

FEATURES

- Stable contact resistance over life
- 4000 Vac input-output isolation
- Bounce-free operation
- High insulation resistance
- Bounce-free operation
- Switching speed of 100Hz - 300Hz
- All position mounting

APPLICATIONS

- Industrial
- Signaling
- Metering

SPECIFICATIONS

Parameters	Conditions	Min	Typ	Max	Units
Contact Ratings					
Switching Voltage	Max DC/Peak AC Resistive			500	Volts
Switching Current	Max DC/Peak AC Resistive			1	Amps
Carry Current	Max DC/Peak AC Resistive			3	Amps
Contact Rating	Max DC/Peak AC Resistive			50	Watts
Life Expectancy	Signal Level 1.0V, 10mA	200	300		x 10^6 Ops
Static Contact Resistance	50mV, 10mA			150	mOhms
Contact Material			Hg		
Relay Specifications					
Insulation Resistance	Between all isolated pins 500V, 25°C, 40%RH	10^8			Ohms
Capacitance	Across Open Contacts			1.2	pF
	Open Contact to Coil			3.2	pF
Dielectric Strength	Between Contacts	1400			VDC/Peak AC
	Contacts to Coil	1400			VDC/Peak AC
Operate Time, no bounce	At Nominal Coil Voltage 10Hz Square Wave		1.2	1.75	msec
Release Time	Zener Diode Suppression		1.2	1.7	msec
Enviromental Ratings					
Storage Temperature		-40		+105	°C
Operating Temperature		-20		+70	°C
Soldering Temperature	Applied to pins, 5 sec. max.			+260	°C
Vibration Resistance (survival)	10Hz - 500Hz			10	Gs
Shock Resistance (survival)	11±1ms, $^1/_2$ Sine Wave			30	Gs
Weight			5		grams

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COIL SPECIFICATIONS

	Contact Form	Coil Voltage			Coil Resistance			Operate Voltage			Release Voltage			Input Power		
Units		Volts			Ohms			Volts			Volts			mW		
Conditions					+/- 10% (25°C)			Must operate by (25°C)			Must release by (25°C)					
Part #		Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
MSS62A05	2 Form A		5	9	72	80	88			3.75	0.5				313	
MSS62A12	2 Form A		12	20	387	430	473			9	1				335	
MSS62A24	2 Form A		24	42	1575	1750	1925			18	2				329	
MSS62A48	2 Form A		48	65	6210	6900	7590			36	4				334	

ORDERING INFORMATION

A complete part number is represented by the digits below

MSS6 XX XX

Series

Contact Form
2A = 2 Form A

Coil Voltage
05 = 5V
12 = 12V
24 = 24V
48 = 48V

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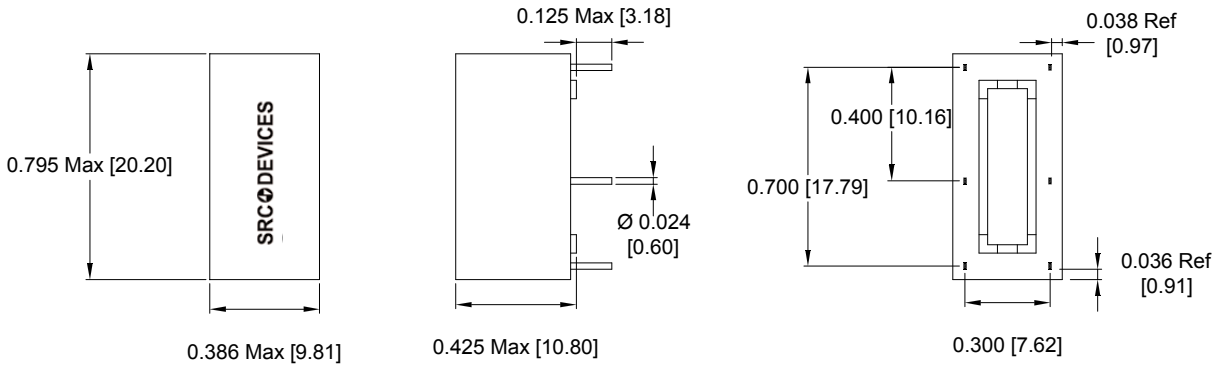
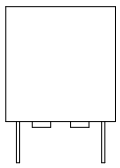
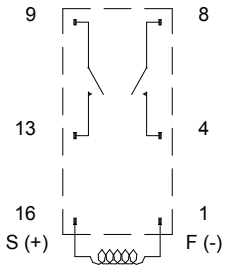
MECHANICAL DIMENSIONS

Dimensions in inches [mm]







WIRING DIAGRAM

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