Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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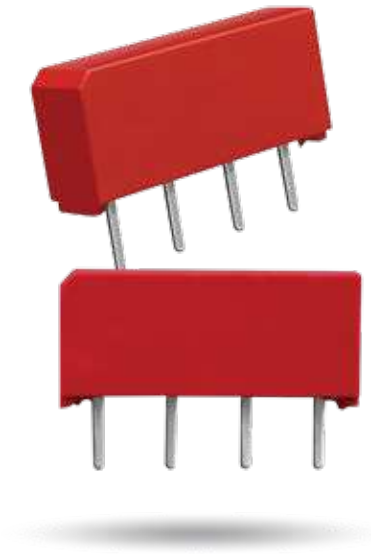
9094 HIGH POWER MINIATURE SIP REED RELAYS



9094 Series High Power Miniature Molded SIP Reed Relays

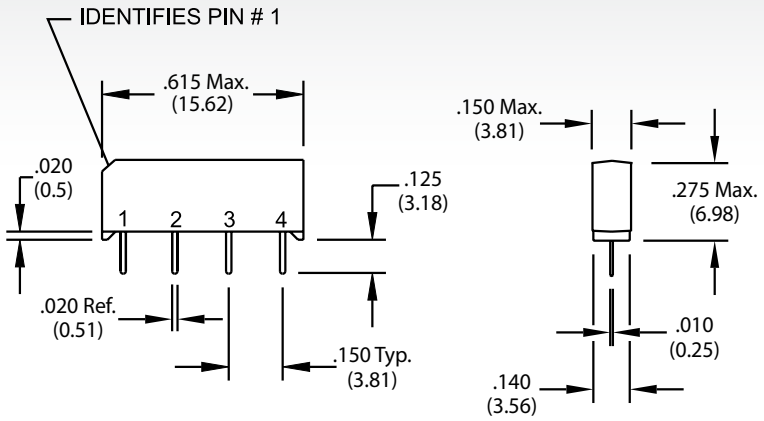
The 9094 Series is the high power 20W version of Coto Technology's industry standard 9091 MiniSIP relay. The robust contacts and small size of the 9094 series make it ideal for ATE and other high-reliability test and measurement applications where high board density and long life are key requirements.

9094 Series Features

- 9094 is a 20W SIP relay measuring .600" x .150" x .275"
- 40% less board space (LxW) than the 9001 series
- Optional coil suppression diode protects coil drive circuits
- High insulation resistance, $10^{12}\Omega$ minimum
- Molded thermoset body on integral lead frame design
- High reliability, hermetically sealed contacts for long life
- RoHS compliant

DIMENSIONS

in Inches (Millimeters)



Ordering Information

Part Number 9094-XX-0X

Model Number
9094

Coil Voltage
05=5 volts
12=12 volts

General Options[2]
0=No Diode
1=Diode

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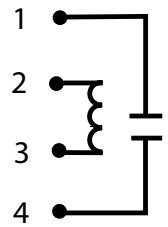
MODEL NUMBER			9094[2]
Parameters	**Test Conditions**	**Units**	**(20 Watt) 1 Form A SIP**
COIL SPECS.			
Nom. Coil Voltage		VDC	5 12
Max. Coil Voltage		VDC	6.5 15.0
Coil Resistance	+/- 10%, 25° C	Ω	125 500
Operate Voltage	Must Operate by	VDC - Max.	3.75 9.0
Release Voltage	Must Release by	VDC - Min.	0.4 1.0
CONTACT RATINGS			
Switching Voltage	Max DC/Peak AC Resist.	Volts	200
Switching Current	Max DC/Peak AC Resist.	Amps	0.5
Carry Current	Max DC/Peak AC Resist.	Amps	1.5
Contact Rating	Max DC/Peak AC Resist.	Watts	20
Life Expectancy-Typical[1]	Signal Level 1.0V, 10mA	x 10^6 Ops.	500
Static Contact Resistance (max. init.)	50mV, 10mA	Ω	0.125
Dynamic Contact Resistance (max. init.)	0.5V, 50mA at 100 Hz, 1.5 msec	Ω	0.150
RELAY SPECIFICATIONS			
Insulation Resistance (minimum)	Between all Isolated Pins at 100V, 25°C, 40% RH	Ω	10^{12}
Capacitance - Typical Across Open Contacts		pF	0.1
Open Contact to Coil		pF	2.0
Dielectric Strength (minimum)	Between Contacts Contacts to Coil	VDC/peak AC VDC/peak AC	200 1500
Operate Time - including bounce - Typical	At Nominal Coil Voltage, 30 Hz Square Wave	msec.	0.5
Release Time - Typical		msec.	0.30

Top View:
Dot stamped on top of relay refers to pin #1 location
Grid = .1"x.1" (2.54mm x 2.54mm)



Notes:

[1] Consult factory for life expectancy at other switching loads. Resistance >0.5Ω defines end of life or failure to open.

[2] Optional diode is connected to pin #2 (+) and pin #3(-). Correct coil polarity must be observed.

Environmental Ratings:

Storage Temp: -35°C to +100°C; *Operating Temp:* -20°C to +85°C; *Solder Temp:* 270°C max; 10 sec. max
All electrical parameters measured at 25°C unless otherwise specified.
Vibration: 20 G's to 2000 Hz; *Shock:* 50 G's

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