



SIP-1A12 REED RELAY

PAN CHANG

Parameter	Min	Nom	Max	Unit
Switching Voltage			100	Volts
Switching current			0.5	Amps
Carry current			1	Amps
Switching frequency			500	Hz
Contact resistance			150	mΩ

(See detailed specifications for more information.)

SPECIFICATIONS

Dry Reed Relay Specifications

All parameters at 20°C unless otherwise stated.

Operate voltage, release voltage, and coil resistance will vary by approximately 0.4%/°C as ambient temperature varies.

PARAMETER	CONDITIONS	MIN	Nom	MAX	UNITS
Contact Ratings					
Switching Voltage (开关电压)	Max DC/PeakAC Resistive	-	-	100	Volts
Switching Current (开关电流)	Max DC/PeakAC Resistive	-	-	0.5	Amps
Carry Current (负载电流)	Max DC/PeakAC Resistive	-	-	1	Amps
Contact Rating (额定容量)	Max DC/PeakAC Resistive	-	-	10	Watts
Life Expectancy (寿命)	Signal Level 12V 10mA	-	200	-	x10 ⁶ Ops
Static Contact Resistance (动态电阻)	Rated Loads	-	120	150	mΩ
		-		-	-
Relay Specifications					
Insulation Resistance (绝缘电阻)	Between all isolated pins At 100V, 20°C, 40%RH	10 ¹⁰		-	Ω
Capacitance (电容量)	Across Open Contacts	-	-	1	pF
Open Contact to Coil (耐压)		-	-	2	pF
Dielectric Strength	Between Contacts	250	-	-	VDC/Peak AC
	Contacts to Coil	1400	-	-	VDC/Peak AC
Operate Time (动作时间)	At Nominal Coil Voltage	-	0.3	0.5	ms
Including bounce	10Hz Square Wave				
Release Time		-	0.3	0.5	-
Environmental Ratings (环境温度)					
Storage Temperature	T	-40	-	+105	°C
Operating Temperature	T	-40	-	+85	°C
Soldering Temperature	Applied to pins, 10 sec.max.	-	-	+260	°C
Vibration Resistance (振动)	20g, 10Hz-2000Hz	-	-	20	Gs
(Survival)					
Shock Resistance (冲击)	100g, 11+/-ms, 1/2 Sine Wave	-	-	-	-
(Survival)					
Weight		-	1.6	-	grams



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COIL SPECIFICATIONS

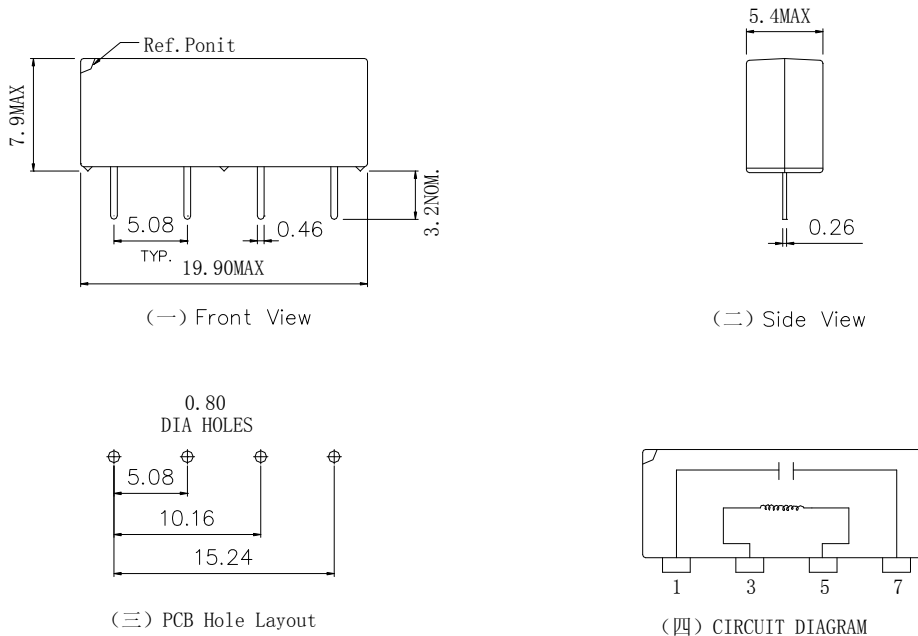
Contact Form	Coil Voltage			Coil Resistance			Operate Voltage			Release Voltage			Nominl Input Power		
	Volts						Volts			Volts			Mw		
				10% (20 ° C)			Must operate by (20 ° C)			Must release by (20 ° C)					
	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
1-Form-A		12	20	990	1000	1100			9	1.2				144	

MECHANICAL DIMENSIONS

Mechanical Dimensions:

All dimensions are measured in millimeters

SIP Form A



*Remark:

(1) All dimensions are measured in millimeters

APPROVED:

CHECKED:

PREPARED:

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