

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	${ m m}\Omega$

(See detailed specifications for more information.)

SPECIFICATIONS

Dry Reed Relay Specifications

All parameters at $20^{\circ}\!\text{C}\,$ unless otherwise stated.

Operate voltage, release voltage, and coil resistance will vary by

approximately 0.4%/°C as ambient temperature varies.

PARAMETER	CONDITIONS	MIN	MIN Nom		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 (负截电流)	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	
	Rated Loads					
Static Contact Resistance (动态电阻)	50mV,10mA	-	120	150	mΩ	
		-		-	-	
Relay Specifications						
Insulation Resistance (绝缘电阻)	Between all isolated pins	10^{10}		-	Ω	
	At 100V,20°C,40%RH					
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	$^{\circ}\! \mathbb{C}$	
Operating Temperature	T	-40	-	+85	$^{\circ}\!\mathbb{C}$	
Soldering Temperature	Applied to pins,10 sec.max.	-	-	+260	$^{\circ}\!\mathbb{C}$	
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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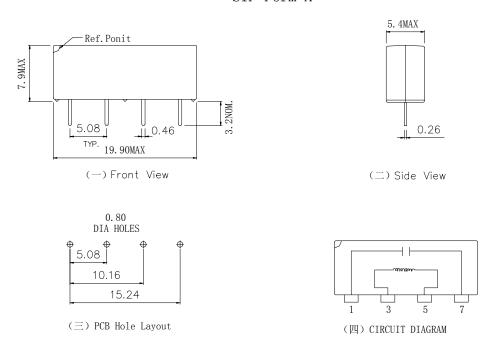
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COIL SPECIFICATIONS

Contact Form			Coil		0	Operate		Release		Nominl Input					
Contact Porm	Coil Voltage		Resistance		Voltage		Voltage		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 measurde in millimeters

APPROVED: CHECKED: PREPARED: