QLRELAY®

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REED RELAY 干簧继电器- - - JQ-SHV

FEATURES特点

- 小型高耐压高绝缘干簧继电器
  Miniature high-voltage high-insulation reed relay
- 灵敏度高，机械寿命长
  High sensitivity and long mechanical life
- 触点间耐压大于3500VDC
  The withstand voltage between the contacts is greater than 3500VDC
- 线圈触点间耐压大于7000VDC
  The withstand voltage between the coil contacts is greater than 7000VDC
- 高电压功换能力 1500VDC/1000VAC
  High voltage conversion capability 1500VDC/1000VAC



CONTACT PARAMETERS触点参数

型号 Type	JQ-SHV
触点材料 Contact material	Rhodium alloys 铑合金
触点型式 Contact Arrangement	1H
接触电阻 Contact resistance	≤150mΩ Max.(at 1A 16VDC)
额定负载（阻性） Rated load (Resistive load)	10mA 1500VDC/ 15mA 1000VDC / 1A 30VDC
最大切换电流 Max. switching current	1A
最大切换电压 Max. switching voltage	1500VAC/1000VDC
最大载流 Max. Carrying Current	2.5A

CHARACT ERISTICS 性能参数

吸合时间（额定电压） Operate time (at rated coil voltage)	≤1.5ms Max.	
释放时间 Release time	≤0.5ms Max.	
绝缘电阻 Insulation resistance	Min 10000MΩ (at 100VDC,RH<45%)	
介质耐压 (1min) Dielectric strength	触点与触点间Between open contacts : Standard3000VDC High-pressure type3500VDC	
	触点与线圈间Between coil and contact :7000VDC	
抗振动 Vibration resistance	10-55Hz,20g	
抗冲击 Shock resistance	1/2半正弦波，11ms, 3轴向，30G。1/2 half sine wave, 11ms, 3 axial, 30G	
寿命 Endurance	机械寿命（每小时10800次，室温）Mechanical endurance (10800ops./h)	10000000次 10000000 ops.(at room temperature)
	电气寿命（每小时360次，室温）Electrical endurance (360ops./h)	100000次 100000 ops.(at room temperature)
环境温度Ambient atemperature	-40℃~+105℃	
重量Weight	约4.5g Approx.4.5g	

COIL RATINGS (at23°C) 线圈参数 （在23°C)

额定电压 (VDC) Nominal voltage (VDC)	额定电流 ±10%(mA) Nominal operating current ±10%(mA)	线圈电阻 ±10%(Ω) Coil resistance ±10%(Ω)	额定功率 Nominal operating power	吸合电压(Max.) Operate voltage (Max.)	释放电压 (Min.) Release voltage (Min.)	最大连续外加电压 Max. allowable voltage
5	40	120	0.2	额定电压的75% 75% of nominal voltage	额定电压的5% 5% of nominal voltage	额定电压的130% 130% of nominal voltage
12	24	500	0.288			
24	12	2000	0.288			

上述值为初始值，请勿在产品上连续施加最大电压>10min, 以免线圈过度发热。
The data shown above are initial values. Do not apple maximum allowable voltage on coil for more than 10 minutes to avoid overheating of thd coil.

ORDERING INFORMATION订货标记

JQ-SHV 012 - 1H S (XXX)
1 2 3 4 5

1.Model Number基本型号 JQ-SHV

2.Coil Voltage线圈规格 （VDC)：
DC3V,DC5V,DC12V, DC24V

3.Contact form: 1H-1FormA
触点形式：1H-1组常开

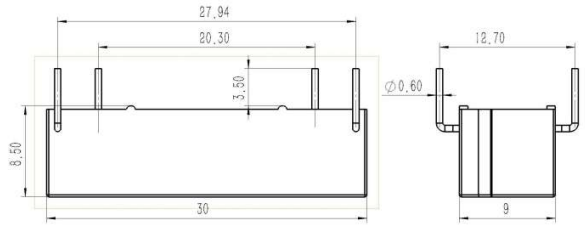
4. Mounting form:
NIL: THT TYPE S: SMT TYPE
无： 直插型 (THT)； S 表面贴装型 (SMT)

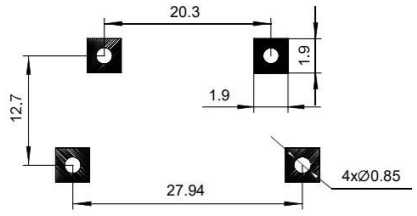
5. Customer Special Code :XXX- Customer Special Requirements
No - Standard Type
客户特性号: XXX-客户特殊要求，无-标准型

OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 （单位：mm）

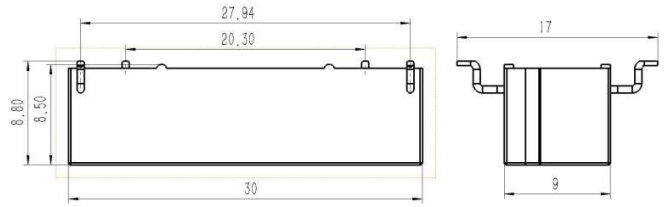
外形图 安装孔尺寸(顶视图)

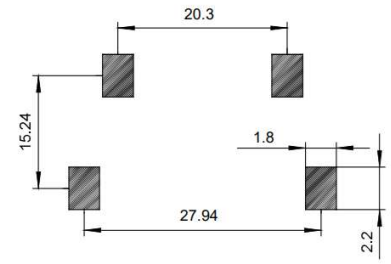
直插型



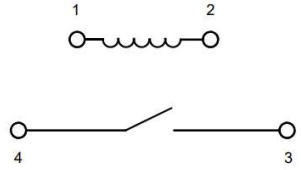


表面贴装型





接线图(顶视图)



备注：(1)产品部分外形尺寸未注尺寸公差，当外形尺寸≤1mm，公差为±0.2mm；当外形尺寸在(1~5)mm之间时，公差为±0.3mm；当外形尺寸＞5mm，公差为±0.4mm；
(2) 安装孔尺寸中未注尺寸公差为±0.1mm。