

# 134

## 10A超小型中功率继电器 10A Miniature PCB Power Relay

- 4KVA绝缘能力 4KVA coil to contact dielectric strength
- 高开关性能，适用于各种负载 Excellent switching performance for a variety of loads.
- 低线圈功耗 Low coil power consumption (SPST-NO: 200 mW, SPDT: 400 mW)
- 外形尺寸 Outline dimensions: (18.2 x 10.2 x 14.6) mm



### 用途举例 Application Examples

- 控制设备的输出用途 Apply to output control of equipment
- 智能家居用品（智能插座、开关），照明系统控制 Intelligent home control system (socket, switch, lamp etc.)

### 型号命名标准 Product Code Structure

	134	-H	1A	12	D	S	-F	-(XXX)
基本型号 Type	134							
线圈功耗 coil power	200mW - H ; 400mW - Nil							
触点结构 Contact form	1A -- FORM A , 1C -- FORM C							
线圈额定电压 Coil voltage	05 , 06 , 09 , 12 , 24VDC							
线圈形式 Coil type	D—DC							
封装形式 Category of protection	S -- 密封型 Wash tight							
绝缘等级 Insulation system designation	Nil -- CLASS A, F -- CLASS F (155°C)							
特殊标记 Suffix	Blank— 标准型 Standard , (XXX) -- 客户特殊需求 For customer special requirement,							

### 线圈参数 Coil Data(DC)

标准型 Standard Type (450mW)			高灵敏度 High Sensitive Type(200mW)			吸合电压 Operate voltage	释放电压 Release voltage	最大允许电压 Max release voltage
额定电压 Rated voltage (V)	线圈电阻 Coil resistance ( $\Omega$ )	额定功耗 Rated coil power	线圈电阻 Coil resistance ( $\Omega$ )	额定功耗 Rated coil power	额定电压的 % of rated voltage			
5	63	Approx. 400mW	125	Approx. 200mW	75% Max	5% Min	130%	
6	90		180					
9	202		405					
12	360		720					
24	1440		2880					

注：额定电流和线圈电阻是在线圈温度23℃，公差为±10%  
Note. The rated current and coil resistance are measured at a coil temperature of 23° C with a tolerance of ± 10%

### 性能参数 Characteristics

吸合时间 Operate time	≤20ms	
释放时间 Release time	≤10ms	
绝缘电阻 Insulation resistance	1000M $\Omega$ Min ( 500VDC )	
介质耐压 Initial dielectric strength	线圈触点间 Between contact and coil	AC4000V 50/60Hz 1min
	开路触点间 Between open contacts	AV750V 50/60Hz 1min
振动 Vibration resistance	10~55~10Hz (双振幅1.5mm)(double amplitude1.5mm)	
冲击 Shock resistance	稳定性 Functional	100m/S <sup>2</sup> ( 10G )
	强度 Destructive	1000m/S <sup>2</sup> ( 100G )
温度范围 Ambient operating temperature	-40°C~+85 °C ;	
湿度范围 Ambient operating humidity	20-85%RH	
引出端形式 Termination	PCB	
重量 Weight	Approx..7g	

注：上述值均为初始值

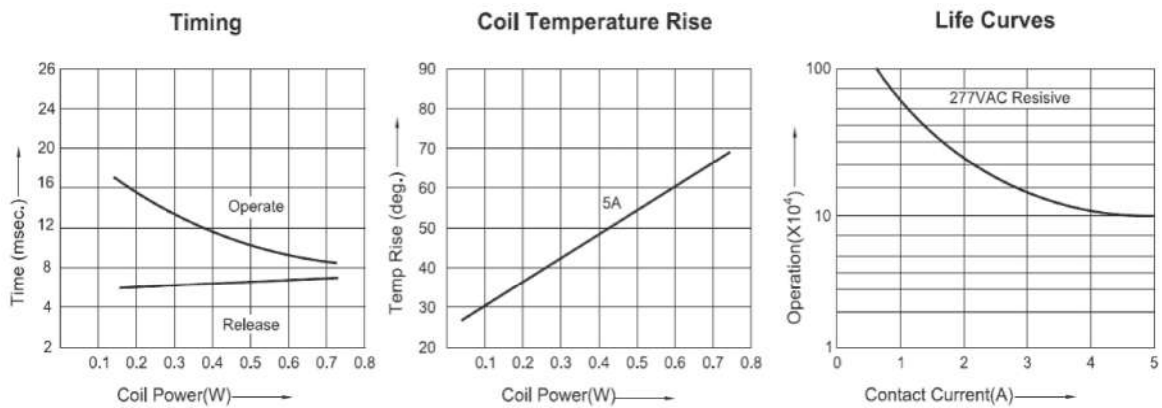
### 触点参数 Contact Data

触点形式 Contact arrangement	1A	1C
	1A(SPST-NO)	
接触电阻 Contact resistance	100m $\Omega$ MAX ( 1A/6VDC )	
触点材料 Contact material	银合金 Ag Alloy	
额定负载(阻性负载) Contact rating(Resistive, load)	5A	5A(NO) 3A(NC)
最大切换电压 Max.Switching voltage	277VAC,30VDC	
最大切换电流 Max.Switching power	10A(NO) 3A(NC)	
最大切换功率 Max.Switching power	1385VA	
机械寿命 Mechanical endurance,	1x10 <sup>7</sup> ops (at 18,000 ops /h )	
电气寿命 Electrical endurance	1x10 <sup>5</sup> ops (at:1200 ops /h )	

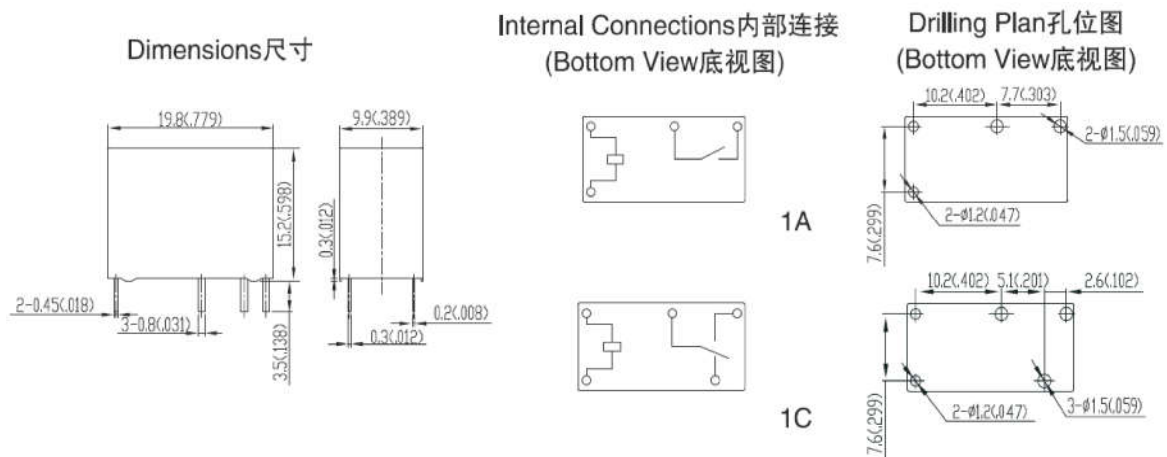
**安规认证额定值 Standards Certified**

安规 Safety	触点结构 Contact form	线圈额定值 Coil ratings	接点额定 Contact ratings
UL	1A	5 ~ 24V  DC	5A 277VAC  5A 30VDC  10A 125VAC  1/6HP27VAC
	1C		NO 5A 277VAC  NO 5A 30VDC  NC 3A 277VAC  NC 5A 30VDC
TUV	1A		10A 277VAC  5A 277VAC
	1C		NO 5A 277VAC  NC 5A 277VAC

性能曲线 Engineering Data



外形图、接线图、安装孔尺寸 Outline dimensions、PCB Layout、Wiring Diagram (mm)



使用注意事项 Precautions

- 一般的注意事项请参考“印刷基板用继电器共通注意事项”。
- Please refer to “PCB Relays Common Precautions” for correct use.

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