

PCB功率继电器系列TL46F规格书

- 10A contact switching capability
- Plastic sealed and dust protected types available
- 1 Form A configurations
- Size : 20.5mm*7.0mm*15.1mm (长*宽*高)



声明：本产品规格书仅供客户使用时参考，如有更改，恕不另行通知。

ORDERING CODE 订购代码

TL46F-S-DC12V-A-(XXX)				
1	2	3	4	5
1.Relay Model 继电器型号TL46F		3.S : sealed 密封		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
2.Coil Nominal Voltage 线圈额定电压		4.触点转换形式 H:Form A		
3,5,6,9,12,24,48VDC				

COIL RATINGS 线圈参数 (at 20°C)

Coil Nominal Voltage 额定电压 (VDC)	Nominal Current 额定电流 ±10% (mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Max.Continuous Voltage 最大连续 外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压(Min)	Rated Power 额定功率
3	66.67	45	Coil Nominal Voltage 130% 额定电压的130%	Coil Nominal Voltage 75%额定 电压的75%	Coil Nominal Voltage 10%额定电 压的10%	0.2W
5	40.00	125				
6	33.33	180				
9	22.22	405				
12	16.67	720				
18	11.11	160				
24	8.57	2880				

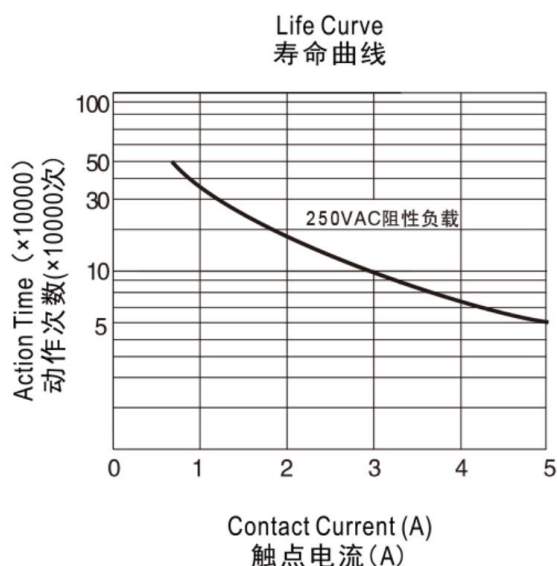
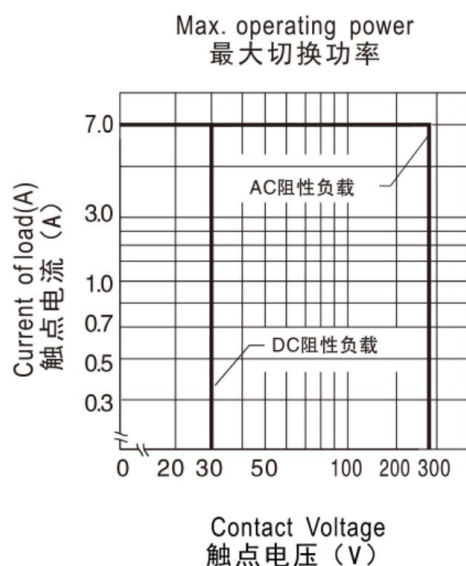
CONTACT DATA触点参数

Contact Form 触点形式	A-1组常开	
Contact Materials 触点材料	Ag Alloy 银合金	
Contact Ratings 触点负载	5A/7A/10A 250VAC/30VDC	
Max Switching Voltage 最大转换电压	250VAC/30VDC	
Max Switching Current 最大转换电流	5A/7A/10A	
Max Switching Power 最大转换功率	2500VA/300W	
Contact Resistance 接触电阻	100mΩ Max	
Life 寿命	Mechanical Life(10800 per hour)机械寿命 (每小时10800次)	4×10 ⁶
	Electrical Life(1800 per hour)电气寿命 (每小时1800次)	1×10 ⁵

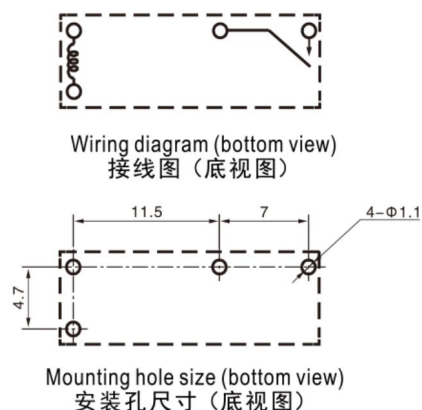
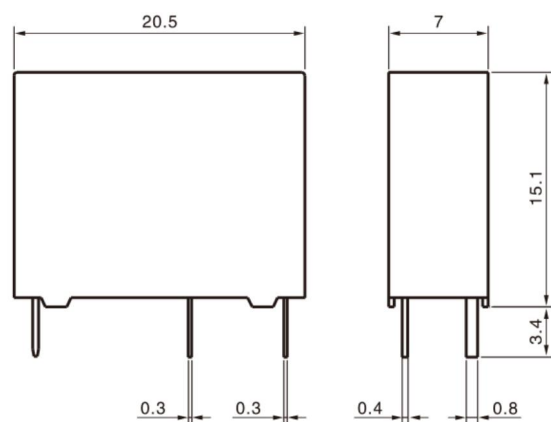
CHARACTERISTICS DATA 性能参数

Insulation Resistance 绝缘电阻	1000M Ω Min.(DC500V)	
Operate Time 吸合时间	10ms.Max	
Release Time 释放时间	5ms.Max	
Initial Dielectric Strength 介质耐压	Between contacts and Coil : 触点与触点间 :	AC750V , 50/60Hz 1Min
	Between contacts and coil:触点与线圈间 :	AC4000V,50/60Hz 1Min
Vibration Resistance 抗振动	Damage limits: 耐久 :	10~55Hz Double Amplitude双振幅1.5mm
	Malfunction: 误动作 :	10~55Hz Double Amplitude双振幅1.5mm
Shock Resistance 抗冲击	Damage limits: 耐久 :	100G Min
	Malfunction: 误动作 :	10G Min
Temperature Range 环境温度	-40°C~+85°C (No condensation) (不冷凝)	
Unit Weight 单位重量	约Approx.3.0g	

ENGINEERING DATA 设计参数



OVERALL AND MOUNTING 安装图



备注：1) 产品部分外形尺寸中未注尺寸公差：当外形尺寸 $\leq 1\text{mm}$ 时，公差为 $\pm 0.2\text{mm}$ ；当外形尺寸在 $1\sim 5\text{mm}$ 时，公差为 $\pm 0.3\text{mm}$ ；当外形尺寸 $> 5\text{mm}$ 时，公差为 $\pm 0.4\text{mm}$ 。2) 安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。