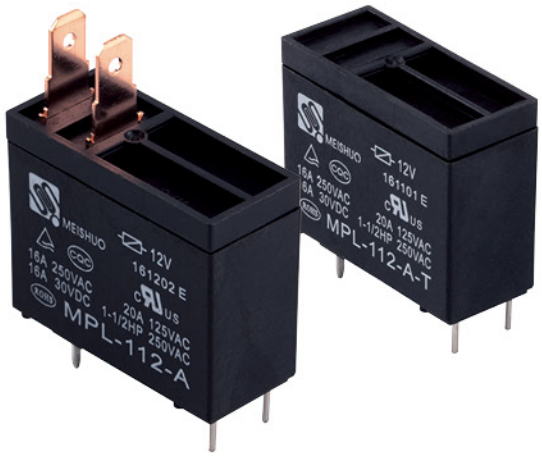


特 性 FEATURES

- 16A 触点切换能力
- 适用于微波炉等产品
- 触点与线圈间介质耐压 5KV
- 外形尺寸 29.0 × 12.6 × 24.2mm

- 16A contact switching capability
- Suitable for microwave oven
- 5KV dielectric strength between coil and contact
- Outline dimensions 29.0 × 12.6 × 24.2mm

触点参数 CONTACT PARAMETERS

触点形式	Contact Arrangement	1A
触点材料	Contact Material	银合金 Silver Alloy
接触电阻（初始）	Contact Resistance(Initial)	≤ 100mΩ(1A 6VDC)
额定负载（阻性）	Rated Load(Res.)	16A 250VAC/30VDC
最大切换电流	Max. Switching Current	16A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max Switching Power	4000VA/480W
电气寿命	Electrical Life	1×10^5 次 OPS
机械寿命	Mechanical Life	1×10^6 次 OPS

性能参数 FUNCTION PARAMETERS

绝缘电阻	Insulation Resistance	1000MΩ(500VDC)
介质耐压	Dielectric Strength	触点与线圈间 Between Coil &Contacts: 5000VAC 1min
		断开触点间 Between Open Contacts: 1000VAC 1min
动作时间	Operate Time	≤ 20ms
释放时间	Release Time	≤ 10ms
环境温度	Ambient Temperature	-40℃ ~+105℃
振动	Vibration	10Hz~55Hz 1.5mm 双振幅 (DA)
冲击	Shock	稳定性 Functional: $98m/s^2$(10G)
		强 度 Destructive: $980m/s^2$(100G)
引出端方式	Terminal Form	MPL: 印制板 + 快连接式 PCB+QC
		MPL-T: 印制板式 PCB
封装形式	Construction	防尘罩型 Dust Protected
重量	Unit Weight	约 Approx. 15g

线圈规格表 COIL DATA(23℃)

额定电压 Rated Voltage VDC	动作电压 Operate Voltage VDC	释放电压 Release Voltage VDC	最大允许电压 Max Allowable Voltage VDC	线圈电阻 Coil Resistance Ω ± 10%	线圈功耗 Coil Power W
5	≤ 4	≥ 0.5	6.5	47	约 Approx. 0.54
6	≤ 4.8	≥ 0.6	7.8	68	
9	≤ 7.2	≥ 0.9	11.7	155	
12	≤ 9.6	≥ 1.2	15.6	270	
18	≤ 14.4	≥ 1.8	23.4	620	
24	≤ 19.2	≥ 2.4	31.2	1100	
48	≤ 38.4	≥ 4.8	62.4	4400	

安全认证 APPROVALS

安全认证 Approvals	UL	TUV	CQC
证书编号 Certificate Number	E358149	R50236892	CQC12002086219
负　载 Rating	16A 250VAC/30VDC 20A 125VAC 1-1/2HP 250VAC	16A 250VAC/30VDC	16A 250VAC/30VDC 20A 125VAC

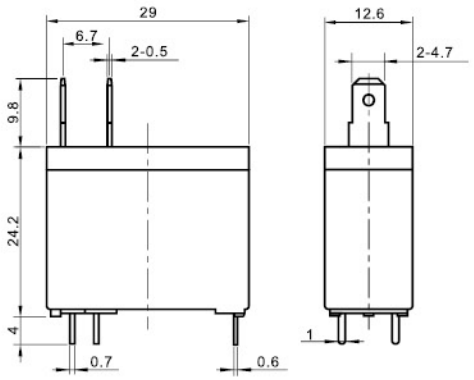
订货标记示例 ORDERING INFORMATION

			MPL	-1	12	-A	-T	-F
产品型号	Model:	MPL						
触点组数	Contact Group:	1 : 1 组 1 Group						
线圈电压	Coil Voltage:	5、6、9、12、18、24、48 VDC						
触点形式	Contact Form:	A: 常开 NO						
引出端形式	Termination:	T: 印制板式 PCB 无 Nil: 印制板式 + 快连接式 PCB + QC						
绝缘等级	Insulation Class:	无 Nil: 标准型，B 级 Standard Type, Class B F: F 级 Class F						

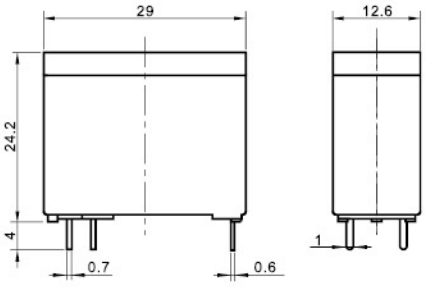
外形尺寸、接线图、安装孔尺寸 OUTLINE DIMENSIONS,WIRING DIAGRAM AND PCB LAYOUT(单位 Unit: mm)

外形尺寸 Outline Dimensions

MPL

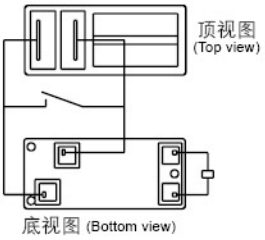


MPL-T

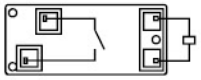


接线图 Wiring Diagram(底视 Bottom View)

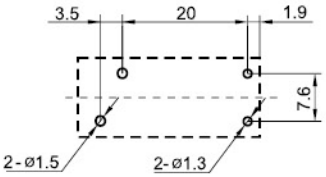
MPL



MPL-T



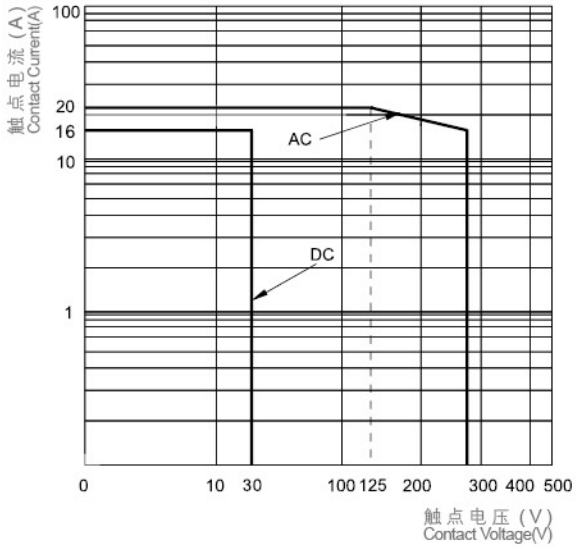
安装孔尺寸 PCB Layout(底视 Bottom View)



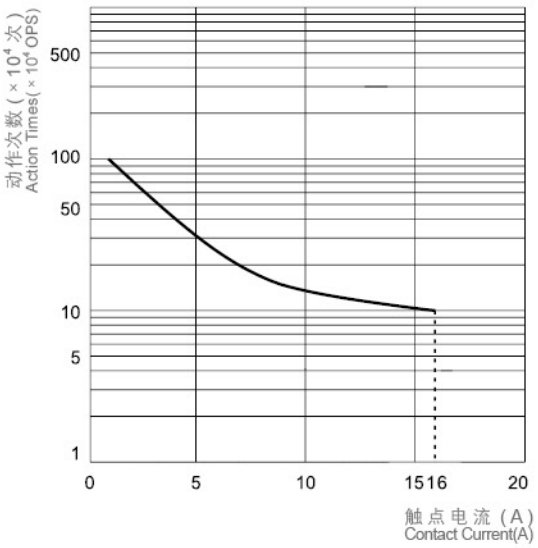
备注:
(1) 产品部分外形尺寸未注尺寸公差，当外形尺寸≤ 1mm，公差为 ± 0.2mm；当外形尺寸在 1~5mm 之间时，公差为 ± 0.3mm；当外形尺寸 > 5mm 时，公差为 ± 0.4mm;
(2) 安装孔尺寸中未注尺寸公差的均为 ± 0.1mm。
REMARK:
(1)In case of no tolerance shown in outline dimension: outline dimension ≤ 1mm, tolerance should be ± 0.2mm; outline dimension > 1mm and ≤ 5mm, tolerance should be ± 0.3mm; outline dimension > 5mm, tolerance should be ± 0.4mm;
(2)The tolerance without indicating for PCB layout is always ± 0.1mm.

性能曲线图 PERFORMANCE CURVE

最大切换功率
Maximum Switching Power



电耐久性曲线
Electrical Endurance Curve



声明 STATEMENT:
本产品规格书仅供客户使用时参考，若有更改，恕不另行通知。
客户应根据具体的使用条件选择与之相匹配的产品。若有疑问，请与美硕联系获取更多的技术支持，但产品选型责任由客户承担。
This product specification is for reference only to customers, subject to change without notice.
The customer should select the matching product according to the use condition. Any questions, please feel free contact us to get more technical support. However, product selection responsibility only by the customer.

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