

### 超小型大功率继电器 / Subminiature High-Power Relay

<p>DYSF系列 DYSF SERIES</p> 	<p>●特性 Features</p> <ul style="list-style-type: none"> <li>● 尺寸: 24.5 × 12.5 × 20.5(mm) Dimension: 24.5 × 12.5 × 20.5(mm)</li> <li>● 最大20A触点切换能力 Switching capacity: 20A</li> <li>● 触点与线圈介质耐压5000V Dielectric strength between coil and contact:5KV</li> <li>● 印制板式和快连接式 PCB or Flat quick-connect terminals</li> <li>● 适用于微波炉等产品 Typical application: Microwave oven</li> </ul>
	<p>●安规认证 Safety Approval</p> <ul style="list-style-type: none"> <li>● UL/C-UL认证号: E346543 UL/C-UL File No: E346543</li> <li>● VDE认证号: 40035393 VDE File No: 40035393</li> <li>● TUV认证号: R50203104 TUV File No: R50203104</li> <li>● CQC认证号: CQC12002083398 CQC File No: CQC12002083398</li> </ul>

触点参数 / CONTACT DATA		性能参数 / GENERAL DATA	
触点形式 Contact Form	A- 一组常开 A-1 Foem A	绝缘电阻 Insulation Resistance	Min.1000MΩ .500VDC
触点材料 Contact Material	银合金 Ag Alloy	介质耐压 DielectricStrength	触点与触点间 Between open contacts 1000VAC, 1min
触点负载 Contact Rating	16A 250VAC/30VDC, 20A 125VAC		触点与线圈间 Between coil and contacts 5000VAC, 1min
接触电阻 Contact Resistance	100mΩ Max (24VDC 1A)	吸合时间 Operate time	Max.10ms
负载 Load	最大切换电压 Max.Switching Voltage	释放时间 Release time	Max.10ms
	最大切换电流 Max.Switching Current	工作环境温度 Operating temperature	-40℃ ~ +85℃
	最大切换功率 Max.Switching Power	相对湿度 Humidity	35 ~ 85%RH, +40℃
	最小切换电压及电流 Min.Switching Load	冲击 Shock Resistance	强度 Endurance 980m/S <sup>2</sup> 稳定性 Misoperation 98m/S <sup>2</sup>
寿命 Life	电寿命 Electrical	100,000次(16A 250VAC) 100,000 times(16A 250VAC)	振动 Vibration Resistance
	机械寿命 Mechanical	2,000,000次 2,000,000times	
线圈参数 COIL DATA		重量 weight	约10.0g Approximately10.0g
额定线圈功率 Rated Coil Power	0.5W,0.4W	说明:上述值均为初始值 Note:Initial Value	

安规认证 / SAFETY APPROVAL					
认证类型/认证号 Certified/File No.	触点形式 Contact Form	额定线圈功率 Rated Coil Power	额定线圈电压 Rate Coil Voltage	认证负载 Safety Approval Rating	备注 Remark
UL/C-UL E346543	A	0.5w/0.4w	3-24VDC	16A 250VAC	环境温度: 95℃ Ambient Temperature: 95℃
				20A 125VAC	
VDE 40035393	A	0.5w/0.4w	3-24VDC	16A 250VAC	环境温度: 85℃ Ambient Temperature: 85℃
TUV R50203104	A	0.5w/0.4w	3-24VDC	16A 250VAC	环境温度: 85℃ Ambient Temperature: 85℃
CQC CQC12002083398	A	0.5w/0.4w	3-25VDC	16A 250VAC	环境温度: 85℃ Ambient Temperature: 85℃

环境温度: 23℃  
Ambient Temperature: 23℃

## RELAY

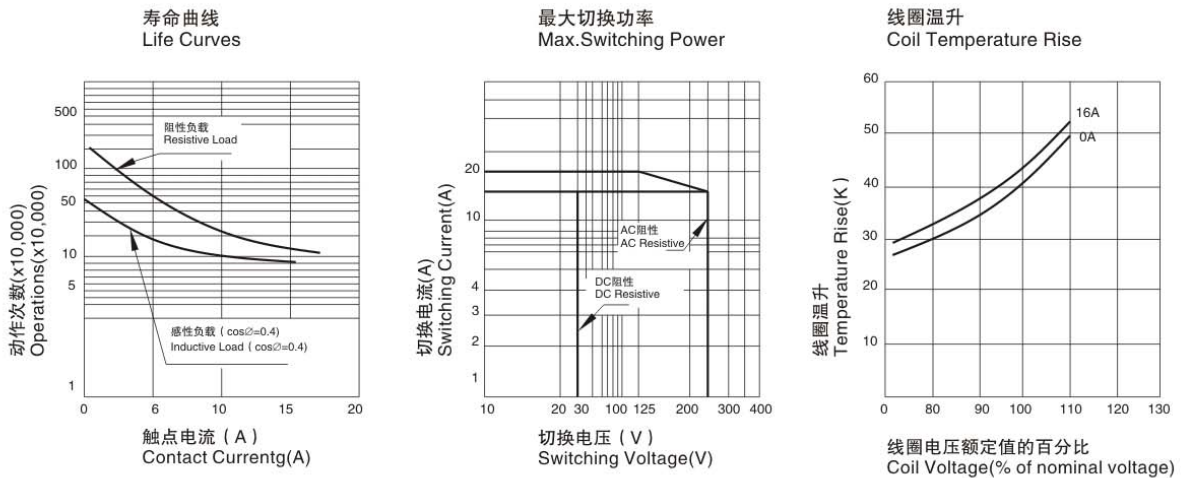
### 线圈规格 / COIL DATA

额定线圈电压 Rated Coil Voltage (VDC)	线圈电阻 Coil Resistance ( $\Omega \pm 10\%$ )	吸合电压 Operate Voltage $\leq$ (VDC)	释放电压 Release Voltage $\geq$ (VDC)	额定线圈功率 Rated Coil Power (W)
3	22.5	2.25	0.3	0.4
5	62.5	3.75	0.5	
6	90	4.5	0.6	
9	202.5	6.75	0.9	
12	360	9	1.2	
18	810	13.5	1.8	
24	1440	18	2.4	0.5
3	18	2.25	0.3	
5	50	3.75	0.5	
6	72	4.5	0.6	
9	162	6.75	0.9	
12	288	9	1.2	
18	648	13.5	1.8	
24	1152	18	2.4	

### 命名规则 / OPERING INFORMATION

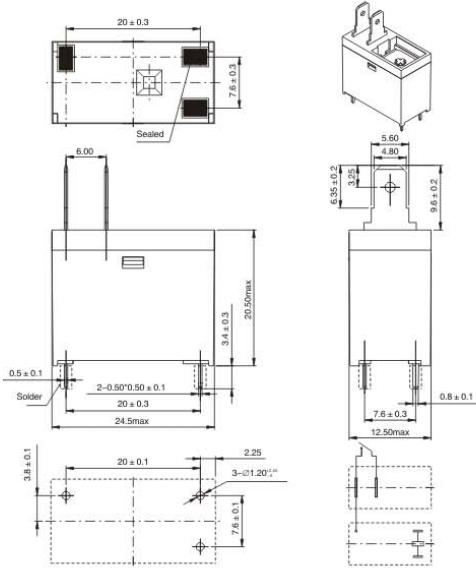
DYSF-	D12V-	P1-	Z
额定线圈功率: Z ~ 0.5W 无(Z) ~ 0.4W Rated Coil Power: Z ~ 0.5W Blank(Z) ~ 0.4W			
PCB板设计类型:P1 - P4 PCB Type:P1 - P4			
额定线圈电压 (VDC): 03, 05, 06, 09, 12, 18, 24. Rated Coil Voltage (VDC): 03, 05, 06, 09, 12, 18, 24.			
型号: DYSF Model: DYSF			

### 特性曲线图 / CHARACTERISTIC CHART DATA



外形图, 接线图, 安装孔尺寸(单位:mm)/OUTLINE DIMENSIONS, WIRING DIAGRAM, PCB LAYOUT (UNIT:mm)

外形图/Out Dimensions

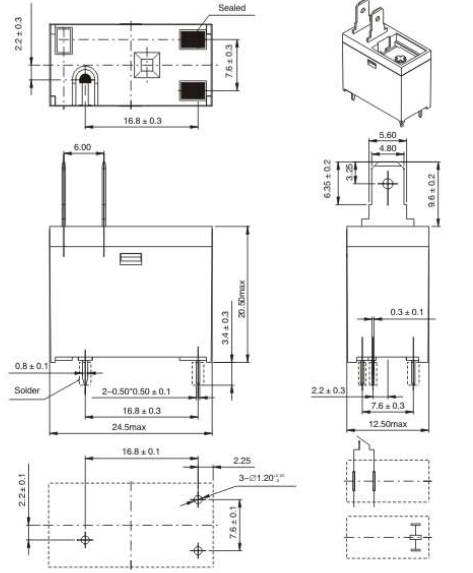


安装孔尺寸/PCB Layout  
(底视图)/(Bottom View)

接线图/Wiring Diagram  
(底视图)/(Bottom View)

P1-PCB板设计1  
(P1-PCB Type1)

外形图/Out Dimensions

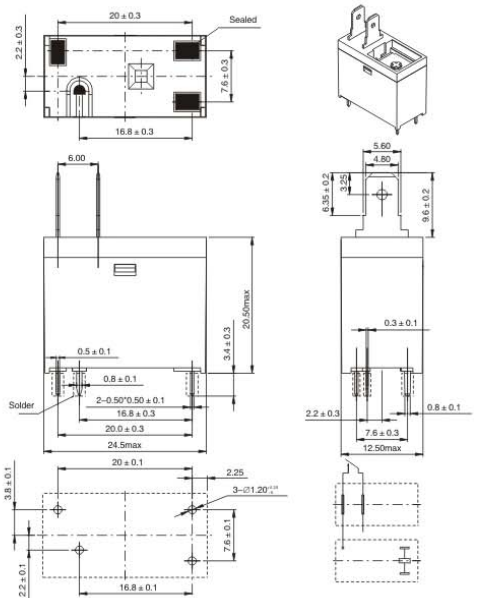


安装孔尺寸/PCB Layout  
(底视图)/(Bottom View)

接线图/Wiring Diagram  
(底视图)/(Bottom View)

P2-PCB板设计2  
(P2-PCB Type2)

外形图/Out Dimensions

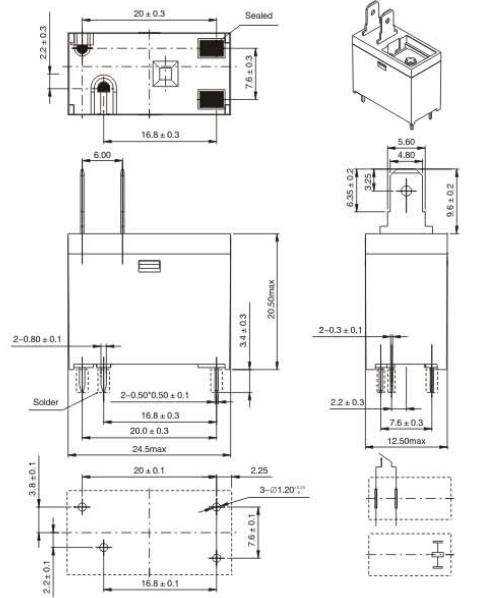


安装孔尺寸/PCB Layout  
(底视图)/(Bottom View)

接线图/Wiring Diagram  
(底视图)/(Bottom View)

P3-PCB板设计3  
(P3-PCB Type3)

外形图/Out Dimensions



安装孔尺寸/PCB Layout  
(底视图)/(Bottom View)

接线图/Wiring Diagram  
(底视图)/(Bottom View)

P4-PCB板设计4  
(P4-PCB Type4)