

# SONET TECHNOLOGY CO., LTD.

## SPR-9F SPECIFICATION

### SPR-9F

10A Switching capability  
Small footprint  
Sealed type available  
Conform to ROHS



### ★ COIL DATA 線圈參數

| Nominal Voltage<br>額定電壓<br>(VDC) | Coil Resistance<br>線圈阻值( $\Omega$ )<br>$\pm 10\%$<br>0.36w | Must Operate Voltage<br>最大吸合電壓<br>VDC | Min Release Voltage<br>最小釋放電壓<br>VDC | Max Applicable Voltage<br>最大過載電壓<br>VDC |
|----------------------------------|------------------------------------------------------------|---------------------------------------|--------------------------------------|-----------------------------------------|
| 3                                | 25 $\Omega$                                                | 2.25                                  | 0.3                                  | 3.9                                     |
| 5                                | 69 $\Omega$                                                | 3.75                                  | 0.5                                  | 6.5                                     |
| 6                                | 100 $\Omega$                                               | 4.5                                   | 0.6                                  | 7.8                                     |
| 9                                | 225 $\Omega$                                               | 6.75                                  | 0.9                                  | 11.7                                    |
| 12                               | 400 $\Omega$                                               | 9                                     | 1.2                                  | 15.6                                    |
| 24                               | 1600 $\Omega$                                              | 18                                    | 2.4                                  | 31.2                                    |

### ★ CONTACT DATA 接點參數

|                                 |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| Contact Arrangement 接點形式        | 1 Form C & 1Form A                                                                  |
| Contact Material 接點材料           | Silver Alloy                                                                        |
| Contact Rating 接點負載             | 1C : 7A/240VAC/24VDC 10A/120VAC<br>1A : 10A/240VAC<br>12A/120VAC/24VDC<br>15A/12VDC |
| Contact Resistance 接觸電阻         | 100m $\Omega$ Max at 6VDC 1A                                                        |
| Max Switching Current 最大轉換電流    | 12A                                                                                 |
| Max Switching Voltage 最大轉換電壓    | 250VAC / 30VDC                                                                      |
| Max Switching Power 最大轉換功率      | 2770VA / 240W                                                                       |
| Life Expectancy Electrical 電氣壽命 | 100,000 Operations (at 30 Operations/minute)                                        |
| Mechanical 機械壽命                 | 10,000,000 Operations                                                               |

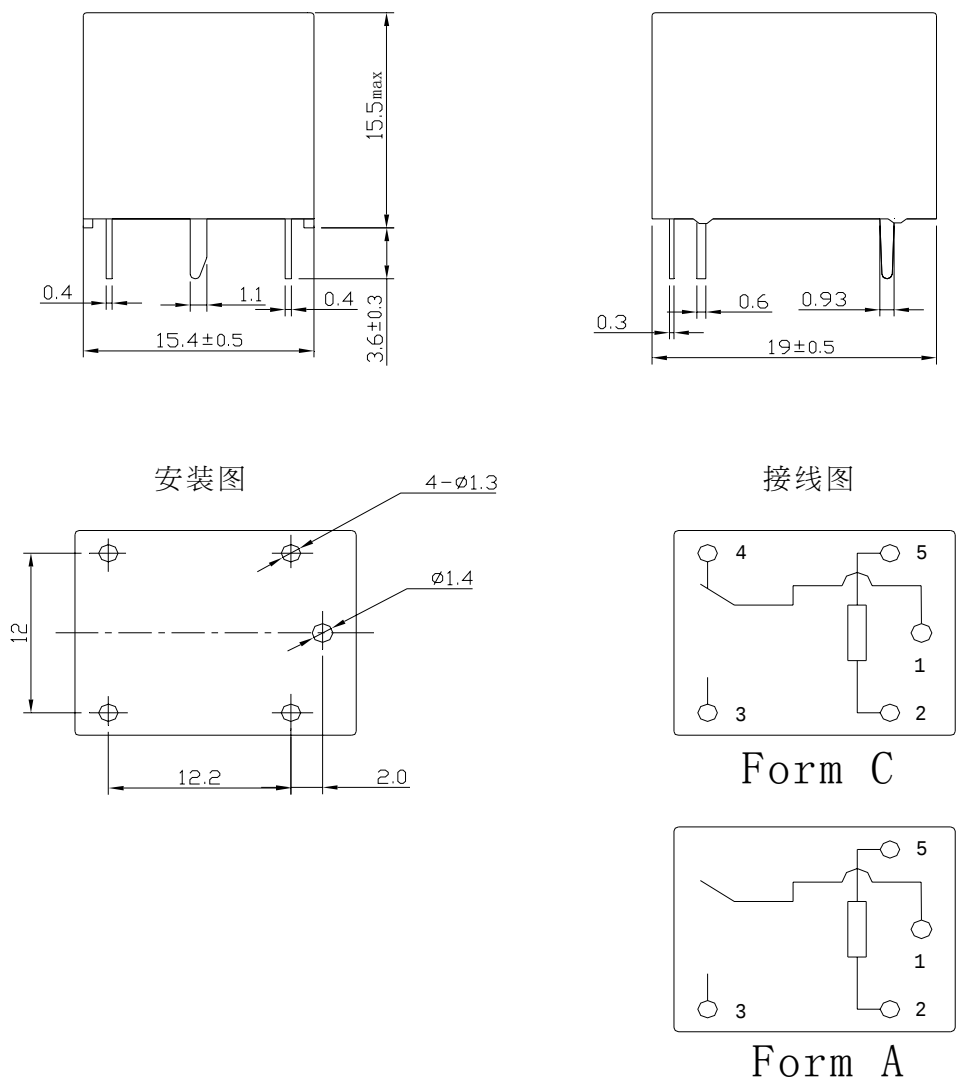
### ★ GENERAL DATA 一般參數

|                                                 |                         |                                 |
|-------------------------------------------------|-------------------------|---------------------------------|
| Insulation Resistance 絕緣阻值                      |                         | 1000MΩ Min at 500VDC            |
| Dielectric strength Between Open Contacts 接點間耐壓 |                         | 750VAC(50/60Hz for one minute)  |
| Between Contacts and Coil 接點與線圈間耐壓              |                         | 1500VAC(50/60Hz for one minute) |
| Operate Time 吸合時間                               |                         | 10ms                            |
| Release Time 釋放時間                               |                         | 5ms                             |
| Ambient temperature 環境溫度                        |                         | -40℃ ～+85℃                      |
| Shock Resistance 衝擊                             | Operating Extremes 動作極限 | 10G                             |
|                                                 | Damage Limits 破壞極限      | 100G                            |
| Vibration Resistance 振動                         |                         | 10-55Hz      1.5mm              |
| Ambient Humidity 環境濕度                           |                         | 40%～85%                         |
| Weight 重量                                       |                         | Approx 10g                      |
| Safety Standard 安全標準                            |                         | UL：E196996                      |

★ ORDERING CODE 訂購代碼

|                                                                                                                                                                                                       |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|
| SPR-9F — <u>12V</u> — <u>S</u> — <u>C</u>                                                                                                                                                             |   |   |   |
| 1                                                                                                                                                                                                     | 2 | 3 | 4 |
| <div>1. Relay Model 继电器型号</div> <div>2. Coil Nominal Voltage 线圈额定电压    3V ,5V ,6V ,9V ,12V ,24VDC</div> <div>3. Sealed 密封</div> <div>4.触点转换形式</div> <div>    A: Form A</div> <div>    C: Form C</div> |   |   |   |

★ OVERALL AND MOUNTING DIMENSION 安裝圖



★ ENGINEERING DATA 設計參數

