

HRG78

GENERAL PURPOSE RELAYS



15.7×12.5×14.0(mm)

特征

体积小，高负载

Features

Small size

High current contact capability(carrying current:35A/10min)

Double NO contacts

Extended operating version available

Wash tight and flux proofed types available

触点参数 Contact Ratings	
接触形式 Contact Form	1A 1C 1U
触点材料 Contact Material	AgSnO ₂
接触电阻 Contact Resistance	50mΩ (1A 6VDC)
触点负载(阻性) Contact Load (resistive load)	20A 14VDC 2×6A 14VDC
最大切换电压 Max.Switching Voltage	16VDC
最大额定切换电流(阻性) Max.Rated Switching Current (Resistive Load)	20A 2×6A
机械耐久性 min Mechanical Endurance min	1×10 ⁷ ops
电耐久性 min Electrical Endurance min	1×10 ⁵ ops

线圈参数 Coil Rating		20°C
额定线圈功率 Rated Coil Power	600mW	

额定电压 Rated Voltage	动作电压 Operate Voltage	释放电压 Release Voltage	线圈电阻 Coil Resistance
6VDC	3.6VDC	0.6VDC	60× (1±10%) Ω
9VDC	5.4VDC	0.9VDC	135× (1±10%) Ω
10VDC	6.0VDC	1.0VDC	180× (1±10%) Ω
12VDC	7.2VDC	1.2VDC	240× (1±10%) Ω

性能参数 Specifications	
绝缘电阻 Insulation Resistance	100MΩ(500VDC)
介质耐压 (触点与线圈间) Dielectric Strength (Between coils and contacts)	1000VAC 1min
动作时间 (额定电压下) Operate Time (Below Rated Voltage)	≤10ms
释放时间 (额定电压下) Release Time (Below Rated Voltage)	≤5ms
振动 Vibration Resistance	10Hz~50Hz Amplitude 1.5mm
环境温度 Ambient Temperature	-40 °C to 85°C
重量 Weight	About 6g
引出端方式 Terminal Type	PCB

备注：以上值均为初始值。 Note: the above values are the initial value.

订货标记示例 Ordering Code

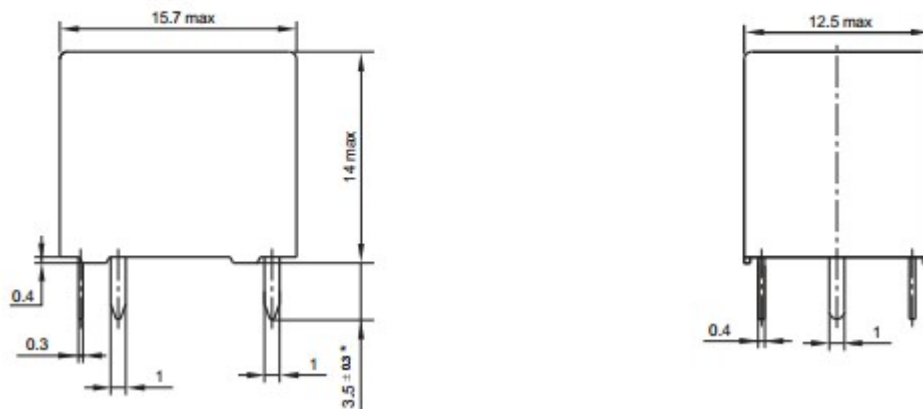
HRG78	-	S	-	DC12V	-	C	
							Contact arrangement 1A: 1 Form A 1C: 1 Form C 1U: 1 Form U
							Coil voltage DC: 6VDC to 24VDC
							Type of sealing S: Plastic sealed Nil: Flux proofed
							Type:HRG78

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

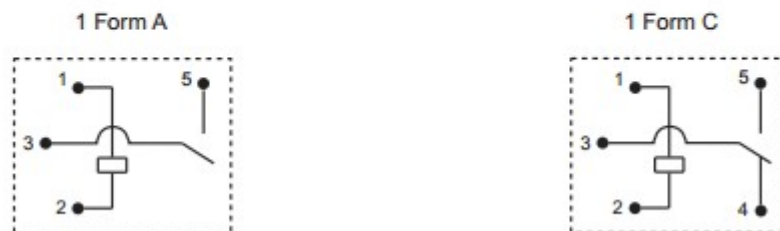
Unit: mm

HRG78

Outline Dimensions(1 Form A / 1 Form C)



PCB Layout (Bottom view)



Wiring Diagram (Bottom view)

