

# Miniature P.C.B Relay

Part No.

NRP-02



#### **CONTACT**

Arrangement	1C			
Contact Material	Silver Alloy			
Contact Resistive (At 6VDC 1A)	$\leqslant$ 100 m $\Omega$			
Rating Resistive load (cosφ=1)	3A 120VAC 3A 24VDC			
Max. Switching Voltage	240VAC / 60VDC			
Max. Switching Current	5A			
Max. Switching Power	360VA / 90W			
Expected life				
Mechanical (at 300 ops/1 min) Electrical (at 30 ops/1 min)	1×10 <sup>7</sup> Min 1×10 <sup>5</sup> Min.			

- Ultra-small type with dimensions.
- High sensitivity:200mW coil power
- UL/C-UL recognized
- Sealed type available

#### **CHARACTERISTICS**

Operate Tin	ne	5 ms. Max.		
Release Time		5 ms. Max.		
Initial break	down voltage			
Between Coil & Contact		1000VAC (50/60Hz)for 1 min.		
Between Open Contacts		500VAC (50/60Hz)for 1 min.		
Insulation Resistance		Min.100MΩ (500 VDC)		
Shock:	Endurance	10G		
	Damage	50G		
Vibration	Endurance	10 to 55 Hz ,1.5mm D.A.		
	Damage	10 to 55 Hz ,1.5mm D.A.		
Humidity		40~85%RH		
Ambient temperature		-40 to +85℃		
Unit weight		≤3.5g		

### **ORDERING INFORMATION**

e.g

NRP - <u>02</u> - <u>C</u> - <u>12D</u> - <u>H</u>

 $\widehat{1}$ 

(2)

(3)

(5)

**(**4**)** 

① Series: Miniature p.c.b Relay

② Part No.

③ Contact Form: C=1C/O; A = N/O; B= N/C

4 Coil Voltage: 12D= 12Vdc 24D= 24Vdc

⑤ Nil= 0.36W coil power

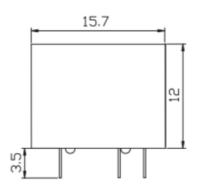
H= 0.20W coil power

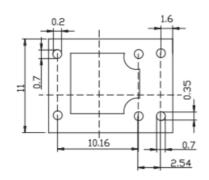
## **COIL DATA (at 20℃)**

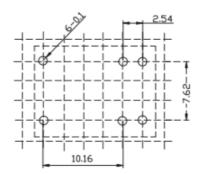
Nominal	Pick-up	Drop-out	Coil Resistance (Ω)±10%		Nominal operating	Max.Allowable
Voltage	Voltage	Voltage	High Sensitive	Standard	Power	Voltage
(VDC)	VDC(Max)	VDC(Min)	0.20W	0.36W	(W)	
3	2.25	0.30	45	25		
5	3.75	0.50	125	69	_	
6	4.50	0.60	180	100	— — 0.20 / 0.36	130% of
9	6.75	0.90	405	225	- 0.20 / 0.30	nominal Voltage
12	9.00	1.20	720	400	_	
24	18.00	2.40	2880	1600	_	

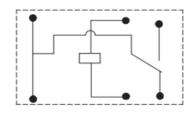
#### **DIMENSIONS**

Unit: mm

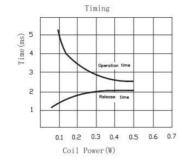


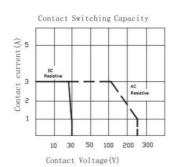


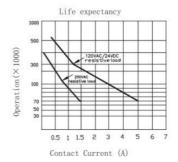


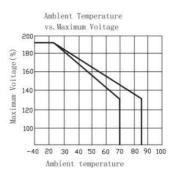


# Reference Data 性能曲线图









#### Disclaimer:

The specifications in this datasheet are for reference only and subject to change without notice. No chance for us to evaluate all the specifications and technical parameters for each possible application. The users will take the responsibility to choose the correct products for their own applications. While if any technical support is needed, please contact NCR team for assistance.