

NRP SERIES

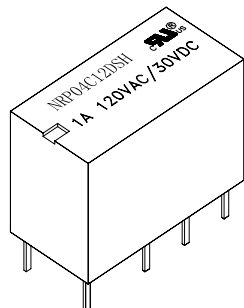


Industrial & Electrical Components

Miniature P.C.B Relay

Part No.

NRP-04



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

CONTACT

Arrangement	2C
Contact Material	Silver Alloy
Contact Resistive (At 6VDC 1A)	100 mΩ
Rating	1A 120VAC
Resistive load (cosφ=1)	2A 24VDC
Max. Switching Voltage	240VAC / 60VDC
Max. Switching Current	2A
Max. Switching Power	120VA / 60W
Expected life	
Mechanical (At 300ops/min)	1×10 ⁷ Min
Electrical (At 30ops/min)	1×10 ⁵ Min.

CHARACTERISTICS

Operate Time	8ms. Max.
Release Time	4ms. Max.
Initial breakdown voltage	
Between Coil & Contact	1000VAC (50/60Hz) for 1 min.
Between Open Contacts	600VAC (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	≤5.5g

ORDERING INFORMATION

e.g

NRP - 04 - C - 12D - H

Series: Miniature p.c.b Relay

Part No.

Contact Form: C=2C/O; A = N/O; B= N/C

Coil Voltage: 12D= 12Vdc

Nil= 0.36W coil power

H= 0.20W coil power

T= 0.15W coil power

L= 0.45W coil power

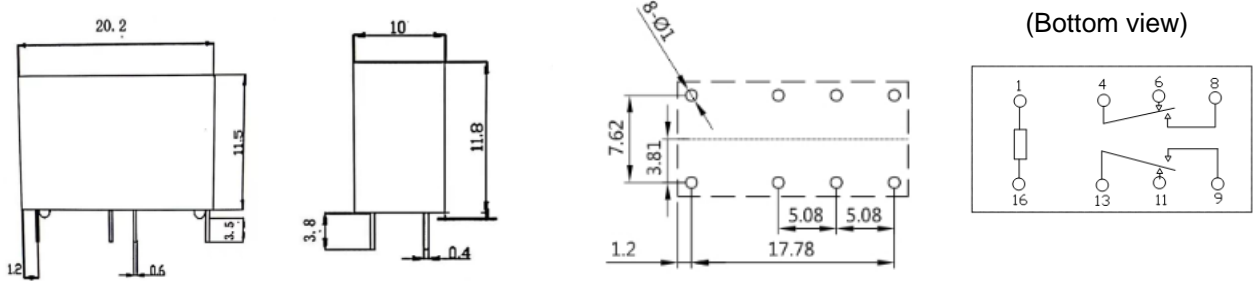
COIL DATA (at 20)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω) \pm 10%			Nominal operating Power (W)	Max.Allowable Voltage
			High Sensitive 0.20W	Standard 0.36W	Low Sensitive 0.45W		
3	2.25	0.30	45	25	20	0.20; 0.36; 0.45	130% of nominal Voltage
5	3.75	0.25	125	69	56		
6	4.50	0.30	180	100	80		
9	6.75	0.45	405	225	180		
12	9.00	0.60	720	400	320		
24	18.00	1.20	2880	1600	1280		

* Data of 0.15W: Pick-up voltage (Max)=80% of nominal voltage;Drop-out voltage (Min)= 5% of nominal voltage.

DIMENSIONS

Unit: mm



REFERENCE DATA

