



Industrial & Electrical Components

Miniature P.C.B Relay

Part No.

NRP19



- Small size with 16A switching capability.
- Low coil power consumption:200mW available.

CONTACT

Arrangement	1A
Contact Material	Silver Alloy
Contact Resistance	50mΩ Max.
Rating	
Resistive load	16A 250VAC
(Cos.Φ=1)	15A 125VAC
Max. Switching Voltage	250VAC
Max. Switching Current	16A
Max. Switching Power	4000VA
Expected life	
Electrical	1×10 ⁵
Mechanical	1×10 ⁷

CHARACTERISTICS

Operate Time	10msec.Max
Release Time	5 msec.Max
Dielectric Strength	
Between contact and coil	2200VAC(50/60Hz) for 1min
Between open contacts	1000VAC(50/60Hz) for 1min
Insulation Resistance	Min.1000MΩ (500 VDC)
Ambient temperature	-40~ 85℃(no condensation)
Humidity	5%~85%RH
Shock:	Endurance 981m/s ² Min
	Error Operation 98.1m/s ² Min
Vibration	Functional 10 ~ 55 Hz D.A. of 1.5mm
	Destructive 10 ~ 55 Hz D.A. of 1.5mm
Unit weight	About 10g

ORDERING INFORMATION

e.g

NRP-19- A - 12D

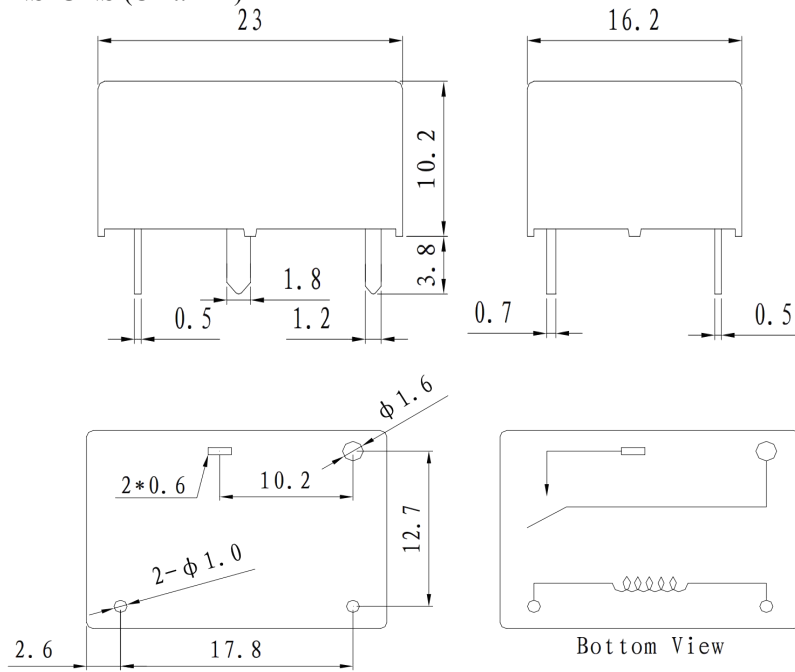
- ① ② ③ ④

- ① Series: Miniature P.C.B Relay
 ② Part No.
 ③ Contact Arrangement : A=N/O
 ④ Coil Rated Voltage: 12D=12VDC,24D=24VDC

COIL DATA(at 20°C)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω)±10% 0.2W	Max.Allowable Voltage
3	2.25	0.30	45.0	3.9
5	3.75	0.50	125.0	6.5
6	4.50	0.60	180.0	7.8
9	6.75	0.90	400.0	11.7
12	9.00	1.20	720.0	15.6
24	18.00	2.40	2880.0	31.2
48	36.00	4.80	11520.0	62.4

DIMENSIONS (Unit: mm)



Dimension Tolerance: <1mm ± 0.2mm
 1~5mm:±0.3mm
 >5mm:±0.5mm

PERFORMANCE CURVE :

