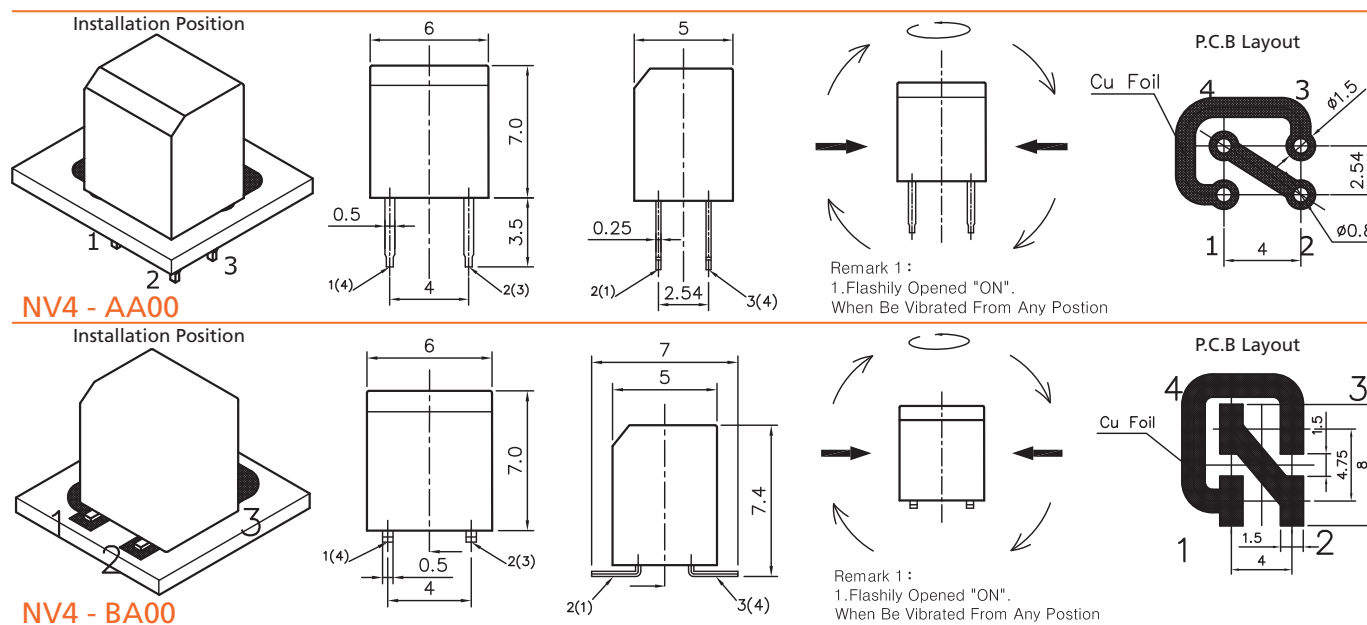


Applications:

1. Omni-directional vibration detecting: Remote Controller, Wireless Mouse, etc., occasions that request for vibration Power ON function
2. Suitable to stroke signal applied such as earthquake detecting system, bicycle alarms, car alarms, and home security systems, toys, sporting shoes etc.

Dimensions/ Operation/ P.C.B. Layout(Unit: mm,Tolerance:±0.25mm)



GENERAL SPECIFICATIONS

Features:

1. Small size & compact space.
2. Housing made of high insulation plastic material, free from electric conduction and rust problem.
3. Terminal and balls are gold plated to enhance the life.
4. All plastic material subject to industrial purpose meets high temperature and fireproof function.
5. Suitable to IC trigger signal.
6. Complete replacement of mercury switch and meet with environmental protection.

Bill Of Material:

1. Housing: Glass-Fiber Liquid crystal Polymer
2. Base: Glass-Fiber Liquid crystal Polymer
3. Terminal: Copper Alloy, Gold plated(3μ") over Nickel
4. Ball: Copper Alloy, Gold Plated(3μ") over Nickel

Eletrical Characteristics:

1. Contact Rating: 25mA, 24VDC
2. Contact Resistance: Initial: 5Ω max; Afer Life Test: 10Ω max
3. Insulation Resistance: 10MΩ min. At 100 VDC
4. Switching type: Normal Close (NC)
5. Dielectric Strength: 500 VDC min. for 1 minute
6. Capacitance: 5pF max

Mechanical Characteristics:

1. Temperature Range: Operating: -25°C to +85°C ; Storage : -40°C to +85°C
2. Pull Force of Terminal: 500 gf for 1 minute
3. Operation Life: 100,000 Cycles
4. Humidity: 95% RH, 40°C for 96 hrs
5. Solder ability : After flux 260±5°C for 5±0.5 seconds 95% coverage
6. Reflow zone 260°C±5°C for 20 seconds max

» NOTE

1. Suggestion for Application: Adding design of "ON DELAY" is recommended. Application in occasions that require vibration functions, Optical type Products are recommended.
2. Suggestion Contact Rating: 5 mA.
3. Conductive Rate: To test the conductivity (Switch-on Rate) of one switch individually for 100 times, if the switch conductive 95 times, we call the "conductive rate" is 95%.
4. For the continued product improvement as one of the company policy, specifications may change or update without notice. The latest information can be obtained through our sales offices. Normally, all products are supplied under our standard conditions.

» PRECAUTIONS FOR USE

1. The product is used mainly in electronic devices such as automotive devices, visual devices, home electrical appliances, information devices and communication settings. If the products is intended to be used for other endurance equipments requiring higher safety and reliability such as life support system, space and aviations devices, disaster and safety system, it's necessary to make verification of conformity or contact us for the details before using.
2. Don't try to clean the switch with a solvent or similar substance after the soldering Prozess.
3. The switch might be damaged if using the water-soluble flux.
4. The switch might be apart if the soldering condition over specification.
5. Don't use the switch in the environment with high humidity or other bedewing possibility, as it may cause leaking among the terminals.
6. It might catch fire if the rating exceeds the specifications. Never use the switch beyond the Rating.

PACKAGE (Minimum Order Quantity: One Bag / One Reel)

	Part Number	Package	Quantity	Total	Size
1.	NV4-AA00	PE Bag	500 pcs	500 pcs	12.7 x 17.8 cm
		Inner Box	8 Bags	4,000 pcs	36 x 20 x 9 cm
		Carton	3 Boxes	12,000 pcs	36 x 28 x 23 cm
2.	NV4-BA00	Reel	650 pcs	650 pcs	30 x 30 cm
		Inner Box	2 Reels	1,300 pcs	36 x 34 x 7 cm
		Carton	4 Boxes	5,200 pcs	37 x 37 x 28 cm