

TAIYO YUDEN NR Inductors

NR Inductors from TAIYO YUDEN are SMD power inductors characterized by a small and low profile and magnetic shield structure. NR power inductors are available in a number of series: NR, NRH, NRS, and NRV. These inductors are available in a variety of heights and footprints ranging from: (2.0 mm x 2.0 mm x 1.2mm)* to (10.0 mm x 9.8 mm x 5.0 mm)*.

NR Series

The NR series offers the highest DC resistance option among NR inductors with a 4.8 ohm available.

- Current Saturation Ratings Available: 0.22A to 11A
- DC Resistance (max): 0.0078 ohm-4.8 ohm
- Terminal Structure: Plating
- Resin Type: Standard

NRH Series

NRH series inductors are high current type inductors for standard applications. The hard exterior resin protects against stress which can lead to cracking of the core.

- Current Saturation Ratings Available: 0.25A-2.9A
- DC Resistance (max) Available: 0.0396 ohm-2.46 ohm
- Inductances Available: 0.47 μ H-6.8 μ H
- Terminal Structure: Non-Plating
- Resin Type: Hard

NRS Series

NRS series inductors are high strength type inductors for bending/vibration applications (i.e. automotive*, etc.). The hard resin prevents core cracking. The NRS series offers the best saturated current rating with a 13A rating option available.

- Current Saturation Ratings Available: 0.275A-13A
- DC Resistance (max) Available: 0.0078 ohm-4.56 ohm
- Inductances Available: 0.47 μ H-68 μ H
- Terminal Structure: Plating
- Resin Type: Hard

NRV Series

NRV series inductors are high current type inductors. Core cracking is prevented by the hard exterior resin, which increases mechanical strength.

- Current Saturation Ratings Available: 0.76A-2.5A
- DC Resistance (max) Available: 0.0624 ohm-0.564 ohm
- Inductances Available: 0.47 μ H-6.8 μ H
- Terminal Structure: Plating
- Resin Type: Hard
- Sizes (LxW): 2.0 x 2.0mm to 3.0mm x 3.0mm

Application

<u>Automotive**:</u>	<u>Industrial**</u>	<u>Consumer Electronics</u>
<ul style="list-style-type: none">• Car Navigation• Display Audio• Automotive Telematics• Instrument Panels• LED Headlights	<ul style="list-style-type: none">• Wireless base Station• Factory Automation Equipment• AC Servo Motor• Smart Meter• Medical Equipment	<ul style="list-style-type: none">• Cellular Phones• HDD• DVC• PDA• LCD Display

**AEC-Q200 qualified part numbers for automotive/industrial applications denoted by a "V" ending.