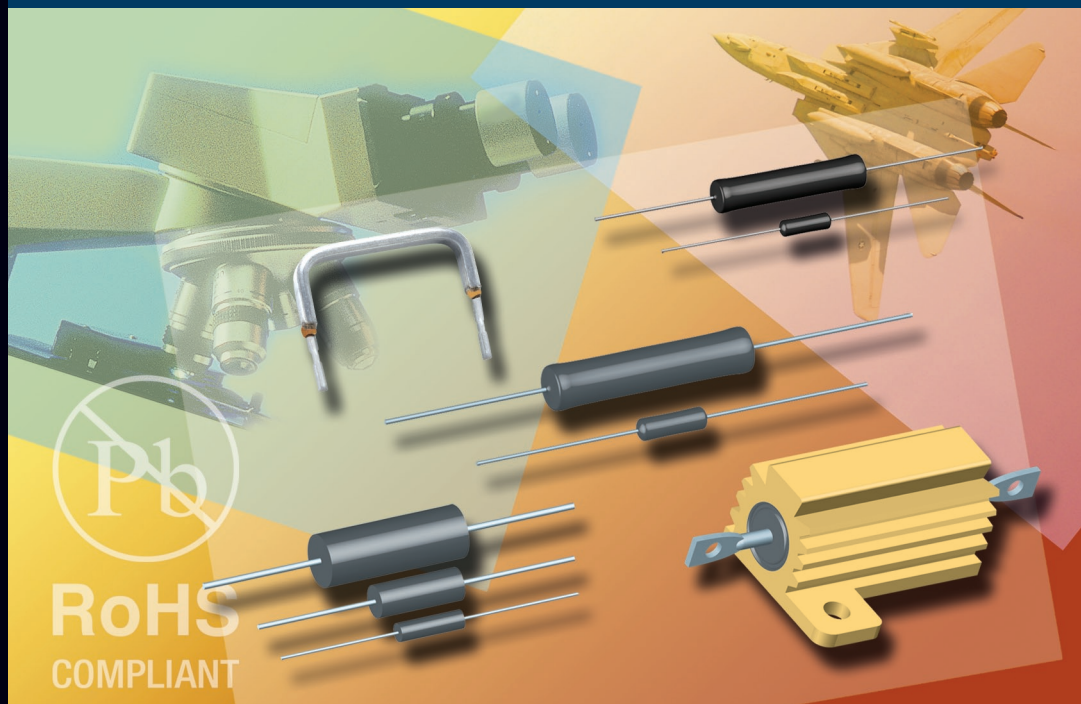




# PRECISION WIREWOUND RESISTORS



## KEY BENEFITS

- A wide range of power ratings (1/8 W to 250 W)
- A wide resistance range (0.004  $\Omega$  to 273 k $\Omega$ )
- Low-high-temperature performance (-65 °C to +350 °C)
- Complete welded construction
- Excellent overload capability
- High-temperature silicone coating or encapsulant
- Excellent stability in operation
- Non-inductive styles available

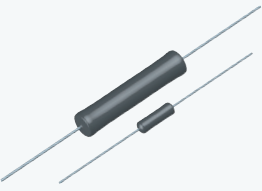
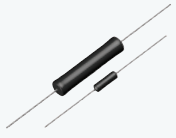


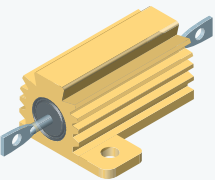
## APPLICATIONS

- DC/DC converters
- AC/DC inverters
- High-voltage bleeders
- Dynamic braking
- Bias supply
- Motor speed controls
- Voltage divider networks
- Filament dropping
- Capacitor charging/discharging regulation
- Voltage dropping
- Electrical loads
- Crow-bar circuits
- Current shunts

For technical questions, contact [ww2bresistors@vishay.com](mailto:ww2bresistors@vishay.com) (Asia and Americas),  
[ww1bresistors@vishay.com](mailto:ww1bresistors@vishay.com) (Europe)



## Precision Wirewound Resistors

Model	Global Model	Historical Model	Wattage	Resistance Range	Tolerance	TC (ppm/°C)
<b>RS (Axial Leaded)</b> 	RS1/8	RS-1/8	0.125	0.1 Ω – 950 Ω	±0.05 % thru ±10 %	±90, ±50, ±20
	NS1/8	NS-1/8	0.125	0.1 Ω – 475 Ω		
	RS1/4	RS-1/4	0.4	0.1 Ω – 3.4 kΩ		
	NS1/4	NS-1/4	0.4	0.1 Ω – 1.7 kΩ		
	RS1/2	RS-1/2	0.75	0.1 Ω – 4.9 kΩ		
	NS1/2	NS-1/2	0.75	0.1 Ω – 2.45 kΩ		
	RS01A	RS-1A	1.0	0.1 Ω – 10.4 kΩ		
	NS01A	NS-1A	1.0	0.1 Ω – 5.2 kΩ		
	RS01M	RS-1M	1.0	0.1 Ω – 6.85 kΩ		
	NS01M	NS-1M	1.0	0.1 Ω – 3.42 kΩ		
	RS002	RS-2	4.0	0.1 Ω – 47.1 kΩ		
	NS002	NS-2	4.0	0.1 Ω – 23.5 kΩ		
	RS02M	RS-2M	3.0	0.1 Ω – 18.74 kΩ		
	NS02M	NS-2M	3.0	0.1 Ω – 9.37 kΩ		
	RS02B	RS-2B	3.0	0.1 Ω – 24.5 kΩ		
	NS02B	NS-2B	3.0	0.1 Ω – 12.2 kΩ		
	RS02C	RS-2C	2.5	0.1 Ω – 32.3 kΩ		
	NS02C	NS-2C	2.5	0.1 Ω – 16.1 kΩ		
	RS005	RS-5	5.0	0.1 Ω – 95.2 kΩ		
	NS005	NS-5	5.0	0.1 Ω – 47.6 kΩ		
RS007	RS-7	7.0	0.1 Ω – 154 kΩ			
NS007	NS-7	7.0	0.1 Ω – 77 kΩ			
RS010	RS-10	10	0.1 Ω – 273 kΩ			
NS010	NS-10	10	0.1 Ω – 136 kΩ			
<b>G (Miniature Axial Leaded)</b> 	G001...80	G-1-80	1.0	0.1 Ω – 3.4 kΩ	±0.05 % thru ±5 %	±90, ±50, ±20
	GN001...80	GN-1-80	1.0	0.1 Ω – 1.7 kΩ		
	G002	G-2	1.5	0.1 Ω – 4.9 kΩ		
	GN002	GN-2	1.5	0.1 Ω – 2.45 kΩ		
	G003...80	G-3-80	2.0	0.1 Ω – 10.4 kΩ		
	GN003...80	GN-3-80	2.0	0.1 Ω – 5.2 kΩ		
	G005	G-5	4.0	0.1 Ω – 24.5 kΩ		
	GN005	GN-5	4.0	0.1 Ω – 12.2 kΩ		
	G05C	G-5C	5.0	0.1 Ω – 32.3 kΩ		
	GN05C	GN-5C	5.0	0.1 Ω – 16.1 kΩ		
	G010	G-10	7.0	0.1 Ω – 95.2 kΩ		
	GN010	GN-10	7.0	0.1 Ω – 47.6 kΩ		
	<b>METAL STRIP RESISTORS</b>					
<b>LVR (Low Value, Axial Leaded)</b> 	LVR01	LVR-1	1.0	0.01 Ω – 0.1 Ω	±1 % thru ±10 %	See datasheet: www.vishay.com/ doc?30206
	LVR03	LVR-3	3.0	0.005 Ω – 0.2 Ω		
	LVR05	LVR-5	5.0	0.005 Ω – 0.3 Ω		
	LVR10	LVR-10	10	0.01 Ω – 0.8 Ω		
<b>SR (Low Value, Radial Leaded)</b> 	SR1	SR1	1.0	0.005 Ω – 0.03 Ω	±1 % thru ±5 %	See datasheet: www.vishay.com/ doc?31067
	SR3	SR3	3.0	0.005 Ω – 0.05 Ω		
	SR5	SR5	5.0	0.004 Ω – 0.05 Ω		
<b>CHASSIS-MOUNT RESISTORS</b>						
<b>RH (Aluminum House)</b> 	RH005	RH-5	7.5	0.02 Ω – 24.5 kΩ	±0.05 % thru ±5 %	±100, ±50, ±20
	NH005	NH-5	7.5	0.05 Ω – 12.75 kΩ		
	RH010	RH-10	12.5	0.01 Ω – 47.1 kΩ		
	NH010	NH-10	12.5	0.05 Ω – 23.5 kΩ		
	RH025	RH-25	25	0.01 Ω – 95.2 kΩ		
	NH025	NH-25	25	0.05 Ω – 47.6 kΩ		
	RH050	RH-50	50	0.01 Ω – 273 kΩ		
	NH050	NH-50	50	0.05 Ω – 136 kΩ		
	RH100	RH-100	100	0.05 Ω – 90 kΩ		
	NH100	NH-100	100	0.05 Ω – 37.5 kΩ		
	RH250	RH-250	250	0.05 Ω – 116 kΩ		
	NH250	NH-250	250	0.05 Ω – 48.5 kΩ		



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