Vishay Dale



# Wirewound Resistors, Noise Suppressor



## FEATURES

- Ideal for reducing RFI during electrical discharges on gasoline engines
- Variety of resistance and inductance values available



- RoHS COMPLIANT GREEN (5-2008)\*\*
- Special design of electrical contacts upon request
- Capability to withstand high voltage pulses at high frequency
- Compliant to RoHS directive 2002/95/EC

## TECHNOLOGY

The resistor element is a resistive wire, which is wound in a single layer on a fiberglass core. Metallic caps or electrodes are fixed to the ends of the resistive core, following the specific ignition system characteristics. A coating protects the resistive element against moisture and mechanical shock, plus is able to withstand high temperatures. These products can be molded with epoxy resin, thermoplastic or thermo set materials.

TYPE 1 (WITH CAPS)	TYPE 2 (WITH ELECTRODES)		

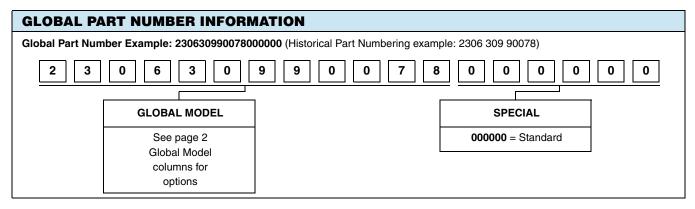
TECHNICAL SPECIFICATIONS							
PARAMETER	UNIT	NSR CHARACTERISTICS					
Resistance Range <sup>(1)</sup>	Ω	1K - 15K					
Tolerances <sup>(2)</sup>	%	± 10 , ± 15, ± 20					
Inductance Range, 2 MHz <sup>(3)</sup>	μH	5 to 56					
Temperature Coefficient	ppm/°C	± 250					
Operating Temperature Range	°C	- 40 to + 200					

Notes

<sup>(1)</sup> Special resistance values available upon request

<sup>(2)</sup> Other tolerances available upon request

(3) Special inductance values available upon request



\*\* Please see document "Vishay Material Category Policy": www.vishay.com/doc?99902

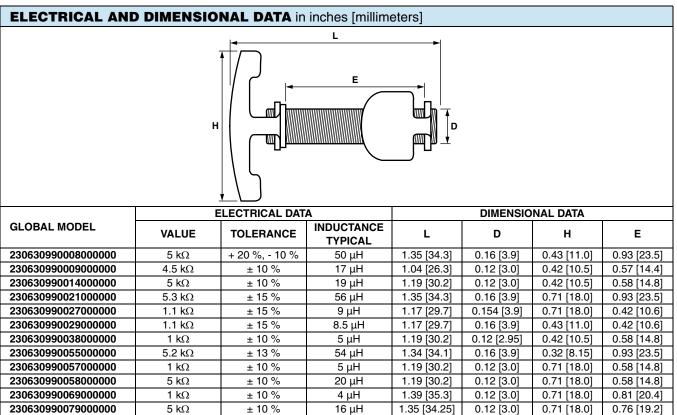


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#### **TYPE 1 - NOISE SUPPRESSOR WITH CAPS**

ELECTRICAL AND DIMENSIONAL DATA in inches [millimeters]									
GLOBAL MODEL	ELECTRICAL DATA			DIMENSIONAL DATA					
	VALUE	TOLERANCE	INDUCTANCE TYPICAL	L	D	н			
230630990035000000	5 kΩ	± 20 %	20 µH	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]			
230630990047000000	5.2 kΩ	± 15 %	15 µH	0.66 [16.8]	0.124 [3.15]	0.094 [2.40]			
230630990048000000	1 kΩ	+ 20 %, - 10 %	16 µH	0.66 [16.8]	0.124 [3.15]	0.094 [2.40]			
230630990053000000	5 kΩ	± 20 %	18 µH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]			
230630990078000000	1 kΩ	± 20 %	10 µH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]			
230630990085000000	1 kΩ	± 20 %	9 µH	1.02 [26.0]	0.153 [3.88]	0.112 [2.85]			
230630990086000000	1 kΩ	± 20 %	5 µH	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]			
230630990094000000	5 kΩ	± 20 %	16 µH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]			
230630990095000000	15 kΩ	± 20 %	12 µH	1.08 [27.3]	0.15 [3.82]	0.112 [2.85]			
230630990101000000	1.12 kΩ	± 20 %	13 µH	0.47 [11.9]	0.171 [4.35]	0.112 [2.85]			
230630990105000000	2 kΩ	± 20 %	14 μH	0.53 [13.5]	0.171 [4.35]	0.112 [2.85]			
230630990106000000	2 kΩ	± 20 %	21 µH	1.08 [27.3]	0.153 [3.88]	0.112 [2.85]			
230630990107000000	2 kΩ	± 20 %	8 µH	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]			
230630990108000000	5 kΩ	± 20 %	10 µH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]			
230630990112000000	2 kΩ	± 20 %	9 μH	1.02 [26.0]	0.153 [3.88]	0.112 [2.85]			

#### **TYPE 2 - NOISE SUPPRESSOR WITH ELECTRODES**



Note

· Other electrode designs available under request



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