

Wirewound Resistors, Noise Suppressor



FEATURES

- Ideal for reducing RFI during electrica discharges on gasoline engines
- Variety of resistance and inductance values available
- Special design of electrical contacts upon request
- Capability to withstand high voltage pulses at high frequency
- Material categorization: for definitions of compliance please see www.vishav.com/doc?99912



ROHS
COMPLIANT
HALOGEN
FREE
GREEN

(5-2008)

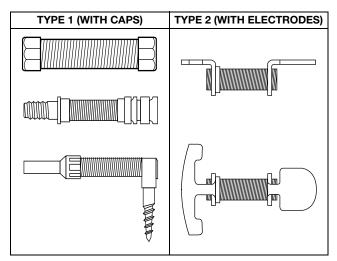
STANDARD ELECTRICAL SPECIFICATIONS				
MODEL	RESISTANCE RANGE (1) Ω	TOLERANCE (2) ± %		
2306309 = NSR	1K to 15K	10, 15, 20		

Notes

- (1) Special resistance values available upon request.
- (2) Other tolerances available upon request.

TECHNOLOGY

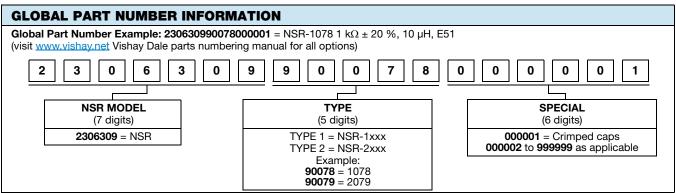
The resistor element is a resistive wire, which is wound in a single layer on a fiberglass core. Metallic caps or electrodes are fixed to the ends of the resistive core, following the specific ignition system characteristics. A coating protects the resistive element against moisture and mechanical shock,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



TECHNICAL SPECIFICATIONS				
PARAMETER	UNIT	NSR RESISTOR CHARACTERISTICS		
Inductance Range, 2 MHz (3)	μH	5 to 56		
Temperature Coefficient	ppm/°C	± 250		
Operating Temperature Range	°C	-40 to +180		

Note

(3) Special inductance values available upon request.

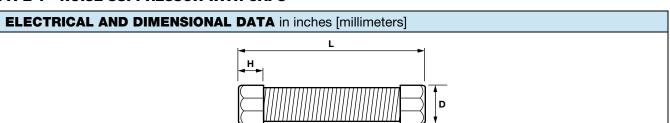


Note

• For examples of full Global Part Numbers, please pages 2 and 3. Many other custom part numbers are available.



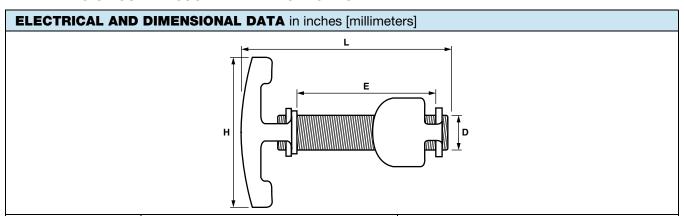
TYPE 1 - NOISE SUPPRESSOR WITH CAPS



	ELECTRICAL DATA			DIMENSIONAL DATA			
GLOBAL PART NUMBER	VALUE	TOLERANCE	INDUCTANCE TYPICAL	L	D	н	
230630990035000001	5 kΩ	± 20 %	20 µH	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]	
230630990047000001	5 kΩ	± 15 %	15 µH	0.66 [16.8]	0.124 [3.15]	0.094 [2.40]	
230630990048000001	1 kΩ	+20 %, -10 %	15 µH	0.66 [16.8]	0.124 [3.15]	0.094 [2.40]	
230630990053000001	5 kΩ	± 20 %	18 µH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]	
230630990078000001	1 kΩ	± 20 %	10 µH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]	
230630990085000001	1 kΩ	± 20 %	9 μΗ	1.02 [26.0]	0.153 [3.88]	0.112 [2.85]	
230630990086000001	1 kΩ	± 20 %	5 μΗ	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]	
230630990094000001	5 kΩ	± 20 %	16 µH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]	
230630990095000001	15 kΩ	± 20 %	12 µH	1.08 [27.3]	0.15 [3.82]	0.112 [2.85]	
230630990101000001	1.12 kΩ	± 20 %	13 µH	0.47 [11.9]	0.171 [4.35]	0.112 [2.85]	
230630990105000001	2 kΩ	± 20 %	20 μH	0.53 [13.5]	0.171 [4.35]	0.112 [2.85]	
230630990106000001	2 kΩ	± 20 %	21 µH	1.08 [27.3]	0.153 [3.88]	0.112 [2.85]	
230630990107000001	2 kΩ	± 20 %	11 µH	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]	
230630990108000001	5 kΩ	± 20 %	10 μH	0.93 [23.7]	0.153 [3.88]	0.112 [2.85]	
230630990112000001	2 kΩ	± 20 %	25 µH	1.02 [26.0]	0.153 [3.88]	0.112 [2.85]	



TYPE 2 - NOISE SUPPRESSOR WITH ELECTRODES



GLOBAL PART NUMBER	ELECTRICAL DATA			DIMENSIONAL DATA			
	VALUE	TOLERANCE	INDUCTANCE TYPICAL	L	D	н	E
230630990008000000	5 kΩ	+20 %, -10 %	50 µH	1.35 [34.3]	0.16 [3.9]	0.43 [11.0]	0.93 [23.5]
230630990009000000	4.5 kΩ	± 10 %	17 µH	1.04 [26.3]	0.12 [3.0]	0.42 [10.5]	0.57 [14.4]
230630990014000000	5 kΩ	± 10 %	19 µH	1.19 [30.2]	0.12 [3.0]	0.42 [10.5]	0.58 [14.8]
230630990021000000	5.3 kΩ	± 15 %	56 µH	1.35 [34.3]	0.16 [3.9]	0.71 [18.0]	0.93 [23.5]
230630990027000000	1.1 kΩ	± 15 %	9 μΗ	1.17 [29.7]	0.154 [3.9]	0.71 [18.0]	0.42 [10.6]
230630990029000000	1.1 kΩ	± 15 %	8.5 µH	1.17 [29.7]	0.16 [3.9]	0.43 [11.0]	0.42 [10.6]
230630990038000000	1 kΩ	± 10 %	5 μH	1.19 [30.2]	0.12 [2.95]	0.42 [10.5]	0.58 [14.8]
230630990055000000	5.2 kΩ	± 13 %	54 µH	1.34 [34.1]	0.16 [3.9]	0.32 [8.15]	0.93 [23.5]
230630990057000000	1 kΩ	± 10 %	5 μH	1.19 [30.2]	0.12 [3.0]	0.71 [18.0]	0.58 [14.8]
230630990058000000	5 kΩ	± 10 %	20 µH	1.19 [30.2]	0.12 [3.0]	0.71 [18.0]	0.58 [14.8]
230630990069000000	1 kΩ	± 10 %	4 μH	1.39 [35.3]	0.12 [3.0]	0.71 [18.0]	0.81 [20.4]
230630990079000000	5 kΩ	± 10 %	16 µH	1.35 [34.25]	0.12 [3.0]	0.71 [18.0]	0.76 [19.2]

Note

• Other electrode designs available under request.



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