

## NSR Noise Suppressor Wirewound Resistors

# Catalogue

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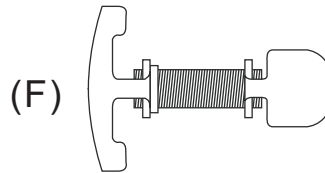
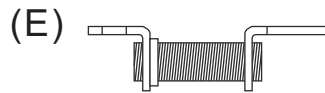
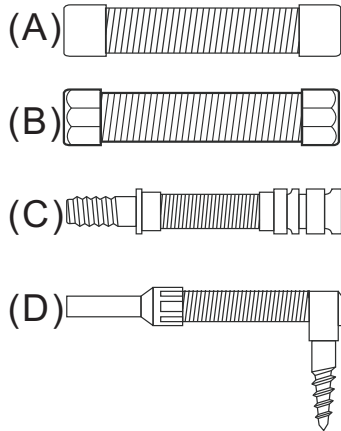


The resistor element is a resistive wire, which is wound in a single layer on a fiberglass core. Metallic caps or electrodes are fixed to the ends of the resistive core, following the specific ignition system characteristics. A coating protects the resistive element against moisture and mechanical shock,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

## Features

- Ideal for reducing RFI during electrical 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.

## With Caps



## Ordering Information

Example:

NSR	A	K	15KR
(1)	(2)	(3)	(4)
Series Name	With caps	Resistance Tolerance	Resistance

(1)Type: NSR SERIES

(2)With caps:A B C D E F

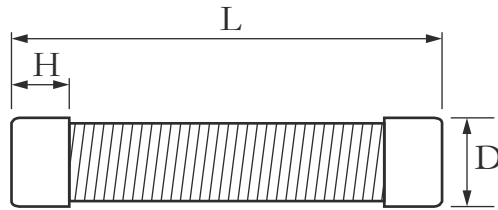
(3)Tolerance:  $\pm 10\%$ ,  $\pm 15\%$ ,  $\pm 20\%$

(4)Resistance Value:15KR0=15K $\Omega$

## Reference Standards

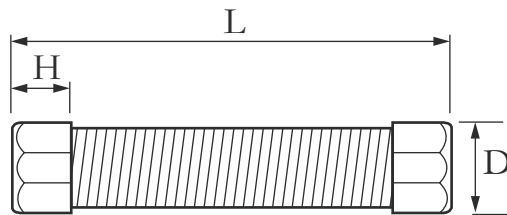
JISC 5201-1

## Electrical and Dimensional Data in inches [millimeters] (A)



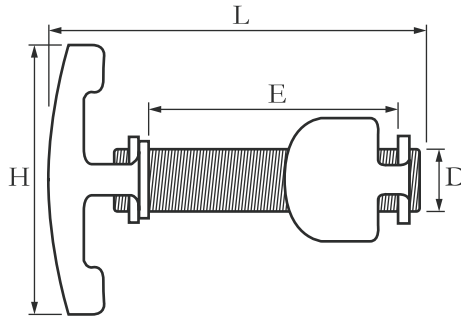
Type	Power (W)	Dimensions			Inductance TypicalL	Temperature Coefficient	Operating Temperature Range	Resistance range( $\Omega$ )	
		L	D	H					
NSR	1.0	0.47 [11.9]	0.171 [4.35]	0.112 [2.85]	10 $\mu$ H-20 $\mu$ H	$\pm$ 250ppm/ $^{\circ}$ C	- 40 $^{\circ}$ C to + 180 $^{\circ}$ C	1K $\Omega$ ~10K $\Omega$	
NSR	1.5	0.53 [13.5]	0.171 [4.35]	0.112 [2.85]					
NSR	2.5	0.66 [16.8]	0.187 [4.75]	0.094 [2.40]					
NSR	3.0	0.79 [20.0]	0.187 [4.75]	0.112 [2.85]					
NSR	3.5	A	0.93 [23.7]	0.187 [4.75]					0.112 [2.85]
	3.5	B	0.79 [20.0]	0.187 [4.75]					0.112 [2.85]
NSR	4.0	A	0.93 [23.7]	0.187 [4.75]					0.112 [2.85]
	4.0	B	1.02 [26.0]	0.187 [4.75]					0.112 [2.85]
NSR	4.5	1.08 [27.3]	0.187 [4.75]	0.112 [2.85]					

## Electrical and Dimensional Data in inches [millimeters] (B)



Type	Power (W)	Dimensions			Inductance TypicalL	Temperature Coefficient	Operating Temperature Range	Resistance range( $\Omega$ )	
		L	D	H					
NSR	1.0	0.47 [11.9]	0.171 [4.35]	0.112 [2.85]	10 $\mu$ H-20 $\mu$ H	$\pm$ 250ppm/ $^{\circ}$ C	- 40 $^{\circ}$ C to + 180 $^{\circ}$ C	1K $\Omega$ ~10K $\Omega$	
NSR	1.5	0.53 [13.5]	0.171 [4.35]	0.112 [2.85]					
NSR	2.0	0.66 [16.8]	0.124 [3.15]	0.094 [2.40]					
NSR	2.5	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]					
NSR	3.0	0.79 [20.0]	0.153 [3.88]	0.112 [2.85]					
NSR	3.5	A	0.93 [23.7]	0.153 [3.88]					0.112 [2.85]
	3.5	B	1.08 [27.3]	0.153 [3.88]					0.112 [2.85]
NSR	4.0	A	1.02 [26.0]	0.153 [3.88]					0.112 [2.85]
	4.0	B	0.93 [23.7]	0.153 [3.88]					0.112 [2.85]
NSR	4.5	1.08 [27.3]	0.15 [3.82]	0.112 [2.85]					

## Electrical and Dimensional Data in inches [millimeters](F)



Type	Power (W)	Dimensions(mm)			
		L	D	H	E
NSR	5.0	1.04 [26.3]	0.12 [3.0]	0.42 [10.5]	0.57 [14.4]
NSR	6.5	1.17 [29.7]	0.154 [3.9]	0.71 [18.0]	0.42 [10.6]
		1.17 [29.7]	0.16 [3.9]	0.43 [11.0]	0.42 [10.6]
NSR	7.0	1.19 [30.2]	0.12 [2.95]	0.42 [10.5]	0.58 [14.8]
		1.19 [30.2]	0.12 [3.0]	0.42 [10.5]	0.58 [14.8]
		1.19 [30.2]	0.12 [3.0]	0.71 [18.0]	0.58 [14.8]
		1.19 [30.2]	0.12 [3.0]	0.71 [18.0]	0.58 [14.8]
NSR	7.5	1.34 [34.1]	0.16 [3.9]	0.32 [8.15]	0.93 [23.5]
		1.35 [34.3]	0.16 [3.9]	0.43 [11.0]	0.93 [23.5]
		1.35 [34.3]	0.16 [3.9]	0.71 [18.0]	0.93 [23.5]
NSR	8.0	1.35 [34.25]	0.12 [3.0]	0.71 [18.0]	0.76 [19.2]
		1.39 [35.3]	0.12 [3.0]	0.71 [18.0]	0.81 [20.4]

## 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