NSW Noise Suppressor Wirewound Resistor

Catalogue

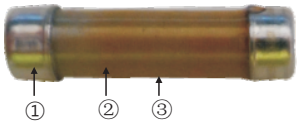
Features

- High resistance value
- High reliability

Applications

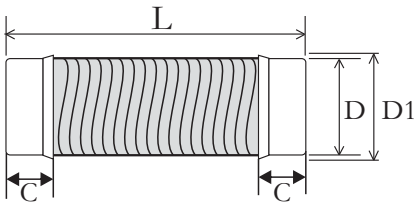
- The NSW series has been developed to be introduced in automotive ignition systems to reduce Radio frequency interference (RFI),
- Which are caused during electrical discharges on petrol engines in both cars and motorcycles. In order to meet the current legislation in force to reduce these disturbances, the introduction of these noise suppressor resistors in the rotor of the distributor or the spark plug leads can ensure compliance.

Construction



①	②	③
Copper cap	Glassfiber	Alloy wire

Dimensions



Type	Power	L(±0.3) mm	D1(±0.1) mm	D(max) mm	C±0.2 mm
NSW	1W	7.8	4.6	4.35	3.0
	2W	10.0	5.0	4.75	3.0
	3W	18.0	5.0	4.75	3.0
	4WA	18.0	4.65	4.35	3.0
	4WB	21.0			
	5W	23.7	5.0	4.75	3.0

Ordering Information

Example:

NSW	2	K	1K0
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance Value

(1)Style:NSW SERIES

(2)Power Rating: 2=2W、3=3W、4=4W、5=5W

(3)Tolerance: K=±10%、M=±20%

(4)Resistance Value:1K0=1K、5K0=5K、10K0=10K

Reference Standards

JIS C 5201-1

Applications And Ratings

Type	Power	Resistance Value	Resistance Tolerance	Typical Inductance
NSW	1W	1KΩ~10KΩ	±5% ±10% ±20%	MIN 9μH at freq.1Mhz
	2W	1KΩ~10KΩ		
	3W	1KΩ~10KΩ		
	4W(A/B)	1KΩ~15KΩ		
	5W	1KΩ~15KΩ		

Performance Characteristics

Test Item	Specifications	Test Methods
Short Time Overload	ΔR≤(2%R+0.05Ω)	5PR, 5sec
Inductance	MIN 9μH	at freq. 1Mhz
T C R	±150ppm/℃	---
Load Life	ΔR≤(5%R+0.1Ω)	70℃, PR1000h
Terminal Tensile Strength	ΔR≤(1%R+0.05Ω)	5kg, 30s
High Voltage Pulses At High Frequency	ΔR≤(1%R+0.05Ω)	15kv to 20kv continuous pulses 0.1ses ON&0.1 ses OFF in series with spark plug-duration 3hrs
Operating Temperature Range	-40℃ to 250℃	---
Dielectric Strength	ΔR≤(1%R+0.05Ω)	25kv continuously 30kv , 10 minutes

Typical Frequency Response