**AUTOMOTIVE
RESISTIVE DEVICES**

HANS
SERIES
NOISE SUPPRESSOR RESISTORS
• Noise suppressor wire wound resistor
• Reduces RFI during electrical discharges on petrol
engines in cars and in scooters / motorcycles.
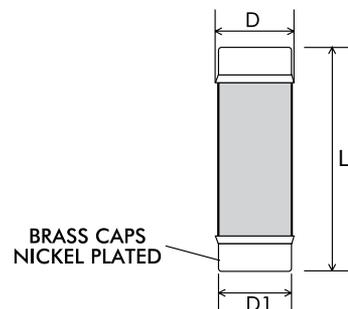• ROHS compliant (*).

Pb-free *RoHS COMPLIANT

1K0*
1K125* (24)
1K125*
5K0*
10K*
7K5*
(All in tolerances of 20%, 10% & 5%)

AUTOMOTIVE
RESISTIVE
DEVICES
HANS

MECHANICAL SPECIFICATION

D

L

BRASS CAPS
NICKEL PLATED

D1

HTR Type	Resistance Value	L (+/-0.3) (mm)	D (max) (mm)	D1 (+/-0.1) (mm)	Typical Inductance
NS 5K0*	5K0	18.0	4.65	4.35	MIN 15 µH (at freq. 1 Mhz)
NS 1K125*	1K125	18.0	4.65	4.35	MIN 15 µH (at freq. 1 Mhz)
NS 1K125*(24)	1K125	23.7	4.65	4.35	MIN 15 µH (at freq. 1 Mhz)
NS 10K*	10K	18.0	4.65	4.35	MIN 15 µH (at freq. 1 Mhz)
NS 7K5*	7K5	18.0	4.65	4.35	MIN 15 µH (at freq. 1 Mhz)
NS1K0*	1K0	18.0	4.65	4.35	MIN 15 µH (at freq. 1 Mhz)

ELECTRICAL SPECIFICATION

Nominal Value	:	NS 5K0* - 5K0
		NS 1K125* - 1K125
		NS 1K125*(24) - 1K125
		NS 10K* - 10K
		NS 7K5* - 7K5
		NS 1K0* - 1K0
Tolerance	:	± 20% / ± 10% / ± 5%

2. PERFORMANCE REQUIREMENTS

PARAMETER	REQUIREMENTS
Short Term Overload : 5 x Rated Power for 5 sec	ΔR – MAX 2%
Operating Temperature Range	-40°C to 220°C
Temperature Co-efficient (Typical)	± 150 ppm / °C
High Voltage Pulses At High Frequency : (15 kv to 20 kv continuous pulses – 0.1 sec ON & 0.1 sec OFF in series with spark plug – duration 3 hrs.)	ΔR – MAX 1% (Typical)

TYPICAL APPLICATIONS :

The HANS 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.

MARKING : NO MARKING

PACKING : 2000 pcs / small box of approx size 200 mm x 150 mm x 70 mm.

ORDERING INFORMATION

Series	HTR Type	Packing	Resistance Value	Tolerance
HANS	NS5K0*	Bulk NS5K0*	5K0	10%