



**AUTOMOTIVE
RESISTIVE DEVICES**

HANS-F 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.

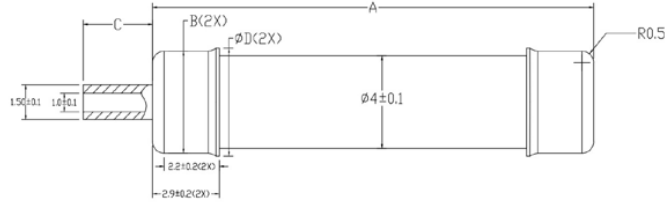
1K0
1K125
2K0
5K0
7K5
10K
(All in tolerances of 20%, 10%)

As per AEC-Q200





MECHANICAL SPECIFICATION



HTR Type	Resistance Value	Length Range		B (4.35 ± 0.1)	C (3.0 ± 0.2)	D (4.5 ± 0.1)	Typical Inductance
		A (+/-0.3) Min.	A (+/-0.3) Max.				
NSF 1K0	1K0	11.50	24.0	4.35	3.0	4.50	MIN 5 to 56 µH (Inductance range 1MHz)
NSF 1K125	1K125	11.50	24.0	4.35	3.0	4.50	
NSF 2K0	2K0	11.50	24.0	4.35	3.0	4.50	
NSF 5K0	5K0	12.0	24.0	4.35	3.0	4.50	
NSF 7K5	7K5	15.0	24.0	4.35	3.0	4.50	
NSF 10K	10K	18.0	24.0	4.35	3.0	4.50	

“*” Please specify length required

ELECTRICAL SPECIFICATION

NOMINAL VALUE : NSF 1K0 - 1K0
 NSF 1K125 - 1K125
 NSF 2K0 - 2K0
 NSF 5K0 - 5K0
 NSF 7K5 - 7K5
 NSF 10K - 10K

TOLERANCE : ± 20% / ± 10%

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)	± 50 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	Length	Tolerance
HANS-F	NSF 5K0*	18.0	20%