

Overview

The KEMET ESD-R-H series solid toroidal cores feature high heat resistance for round cables. There are various Manganese Zinc (Mn-Zn) and Nickel Zinc (Ni-Zn) options available, which can be used to target specific frequency ranges. The Mn-Zn 10H version is specifically designed with a cable holding mechanism for round cable in higher heat environment. EMI cores are a type of passive component that help address issues related to noise or electromagnetic interference (EMI) in circuits or systems.

Features

- Proprietary core material for high performance in low and high frequency range
- Solid construction
- Wide operating temperature range from -40°C to +120°C
- UL94 V-0 flame retardant rated case

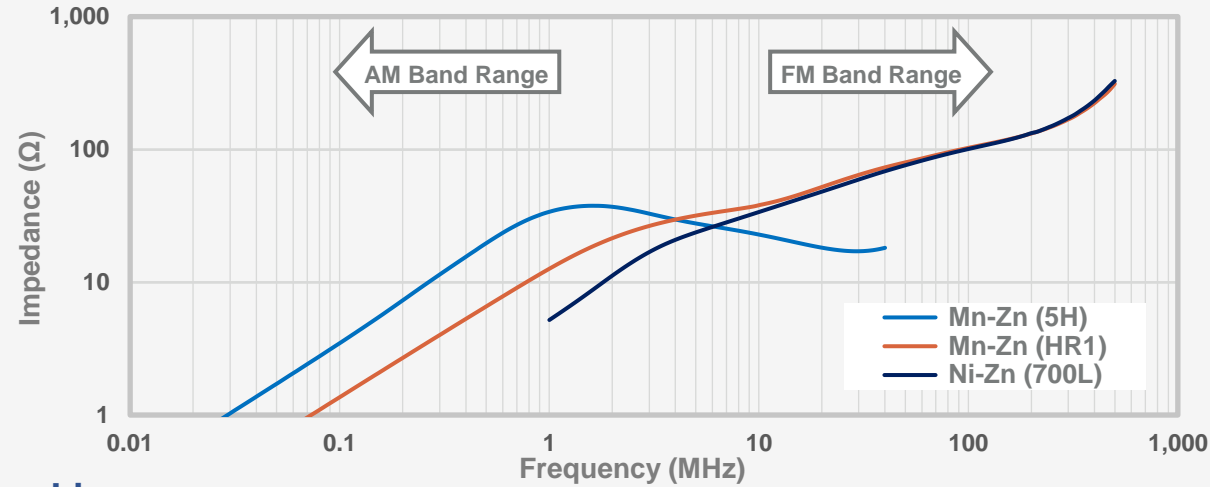
Applications

- Automotive inverters
- Automotive chargers
- Automotive DC/DC converters
- White goods
- Air conditioners
- Power conditioners
- Industrial equipment

ESD-R-H Toroidal Cores for Round Cables

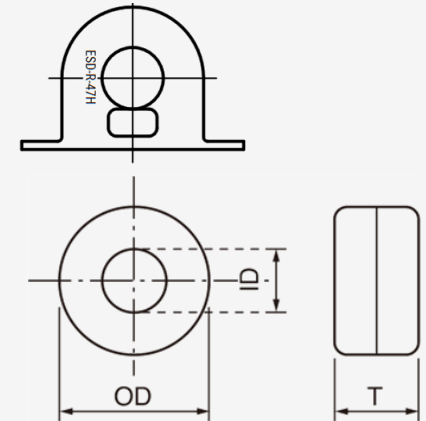
Core Material and Effective Frequency Range

Representative example, measured with same dimension toroidal core



Lineup

Type	Material	Dimensions (mm)	OD Outer Diameter Range	ID Inner Diameter Range	T Length Range
Round Cables, High Heat Resistance	Mn-Zn (10H)	22.7 mm 16.5 (28.5) mm 15 - 61 mm	52.5 (83) mm		
	Mn-Zn (5H)	5 - 33.2 mm 9 - 25 mm			
	Mn-Zn (HR1)	7.7 - 33.2 mm 14 - 25 mm	22 - 61 mm		
	Ni-Zn (700L)	5 - 33.2 mm 9 - 25 mm	15 - 61 mm		



Datasheet Link