

## 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

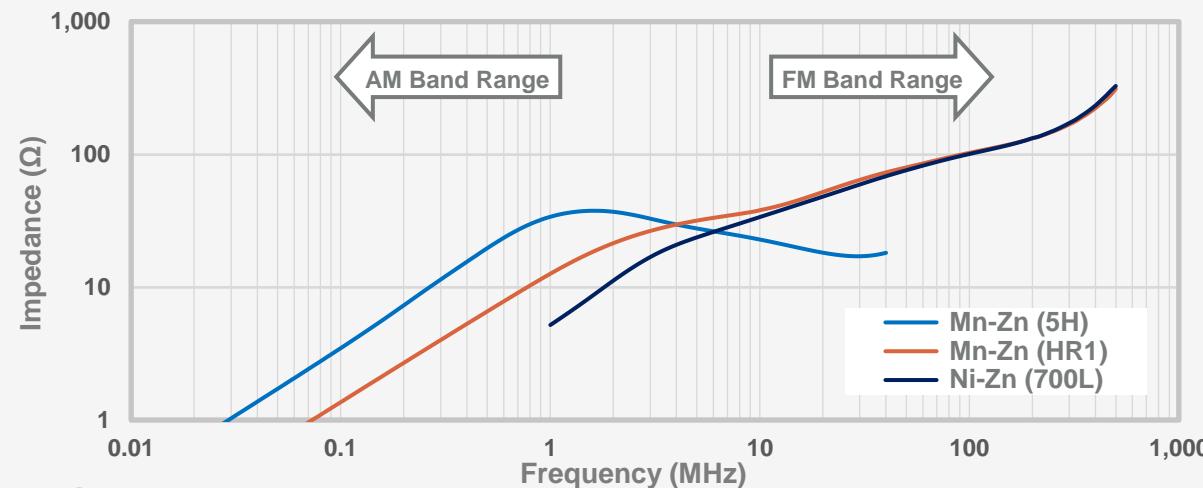
## Applications

- 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	Length Range
Round Cables, High Heat Resistance	Mn-Zn (10H)	52.5 (83) mm	22.7 mm	16.5 (28.5) mm	
	Mn-Zn (5H)	15 - 61 mm	5 - 33.2 mm	9 - 25 mm	
	Mn-Zn (HR1)	22 - 61 mm	7.7 - 33.2 mm	14 - 25 mm	
	Ni-Zn (700L)	15 - 61 mm	5 - 33.2 mm	9 - 25 mm	

[Datasheet Link](#)

