

Overview

The KEMET ESD-SR series snap-on toroidal cores are designed for use on 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. EMI cores are a type of passive component that help address issues related to noise or electromagnetic interference (EMI) in circuits or systems.

Features

- Mn-Zn ≤ 10 MHz (AM band range) and Mn-Zn or Ni-Zn ≤ 500 MHz (FM band range) options available
- Split construction
- Easy to install through its snap-on mechanism
- Quick solution for post-cable assembly noise issue
- Operating temperature range from -25°C to $+85^{\circ}\text{C}$
- UL94 V-0 flame retardant rated case

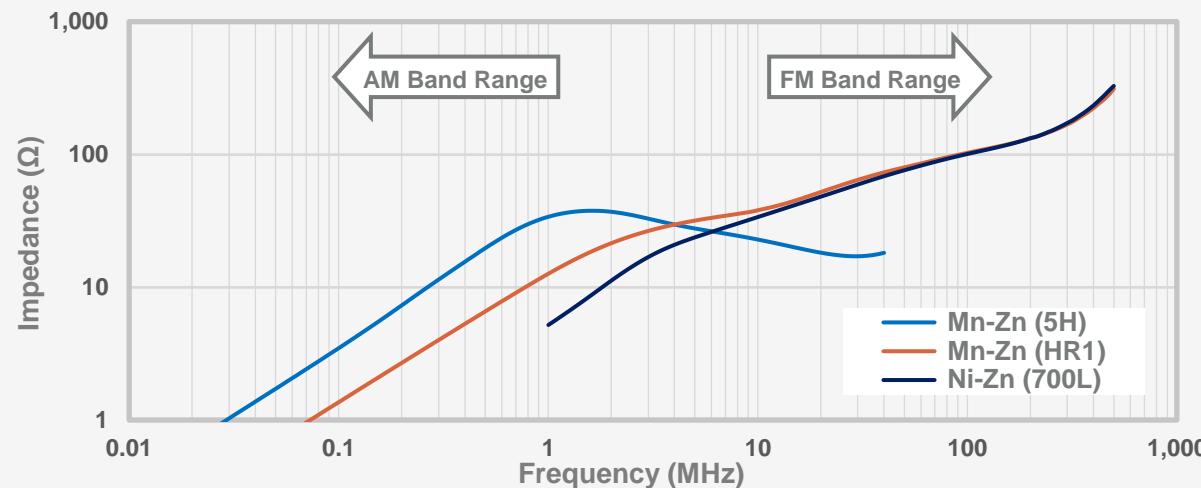
Applications

• White goods	• Adapters
• Air conditioners	• Audio-visual equipment
• Power conditioners	• Business multifunction printers
• Industrial equipment	
• Medical equipment	

ESD-SR Snap-on Cores for Round Cables

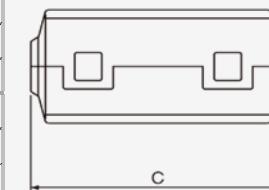
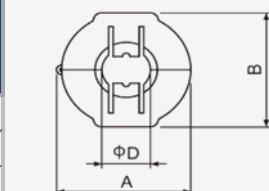
Core Material and Effective Frequency Range

Representative example, measured with same dimension toroidal core



Lineup

Type	Material	Dimensions (mm)	A/B	Outer Diameter Range
			ϕD	Inner Diameter Range
			C	Length Range
Round Cables, Snap-on	Mn-Zn (5H)	14 - 64 mm	6 - 35.5 mm	18.5 - 23.5 mm
	Mn-Zn (HR1)	14.2 - 33 mm	5 - 13 mm	21 - 39 mm
	Ni-Zn (700L)	14.2 - 33 mm	5 - 13 mm	21 - 39 mm



Datasheet Link