

Overview

The KEMET FLEX SUPPRESSOR EMI Suppression Tape (EST) is optimized for cable EMI issues and proposes a flexible noise suppression solution, by attenuating surface conduction noise and reducing radiation effectively. Its smart design allows to simply wrap under the jacket or around the outer surface. The flexible tape is a polymer base, blended with micron sized magnetic powders dispersed throughout the material.

Features

- RoHS compliant
- $1 \times 10^{10} \Omega/\text{sq.}$ typical insulation film surface resistivity
- $1 \times 10^6 \Omega/\text{sq.}$ typical magnetic layer surface resistivity
- UL file N° E176124 (magnetic layer only)

Part Number System

ESTX (100) -19X10M T0859

Adhesive Thickness Code
T0859 = 0.03 mm adhesive tape & 0.03 mm insulation film

Size Code
9X10M = 9 mm X 10 M tape
19X5M = 19 mm X 5 M tape

Thickness Code
50 = 0.05 mm
100 = 0.1 mm

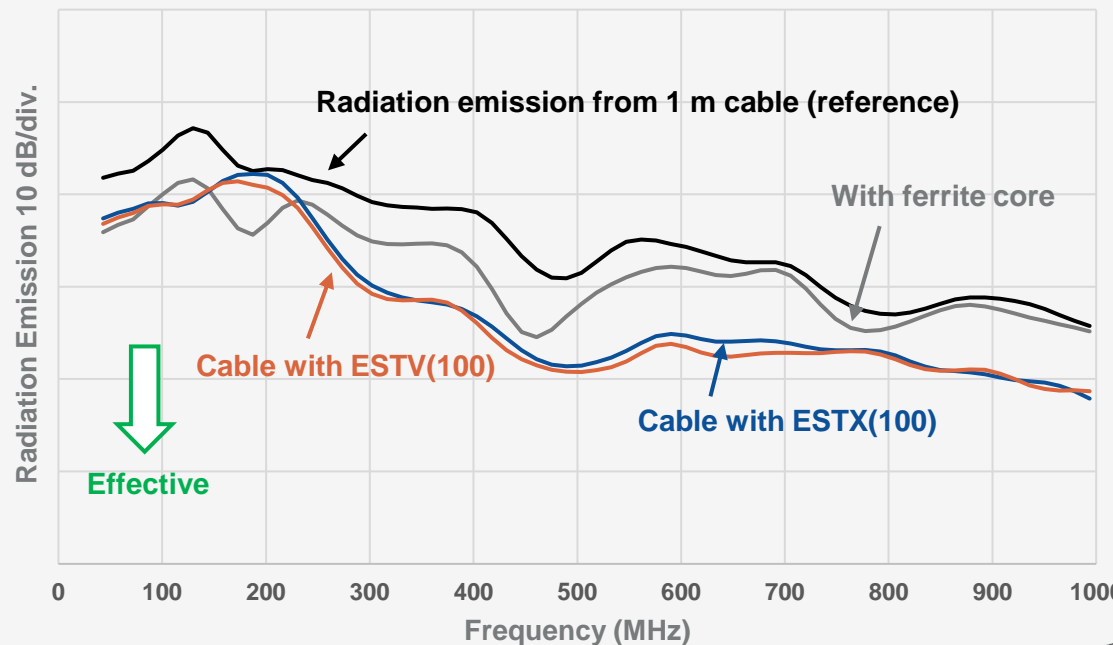
Series

Electrical Characteristics

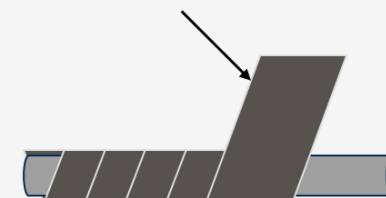
- Permeability range from 100 to 150
- Operating temperature from -40°C to 105°C
- Operating frequency from 1 MHz to 3 GHz



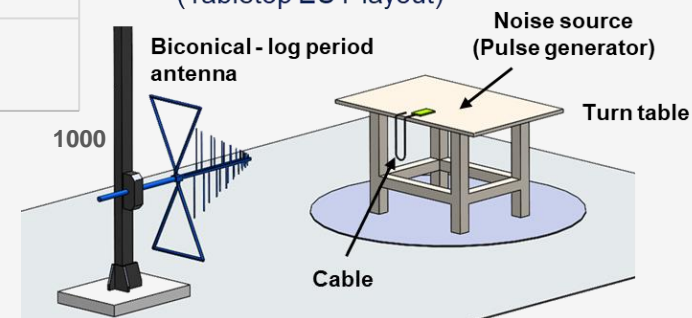
Attenuation Characteristics



Measurement outline
Coaxial cable length 1 M
EST thickness 0.1 mm, overlap 50%



Measurement setup
- Class B, 3 m method
- (Tabletop EUT layout)



Applications

Attenuates cable noise current and suppresses radiation noise

- Interface cable (LVDS, USB, HDMI, etc.)
- Charging cable
- Power cable

For debugging (Identification of noise source)

- Circuit boards, housing cases, etc.

[View FLEX SUPPRESSOR® here](#)