

## SLTL EMI Absorber KV-SCA-SK-1 (Halogen Free)\*

### Product Description

SLTL EMI Absorbers KV-SCA-SK-1 is halogen free\* and consists of Synthetic Rubber with Magnetic Metal Flake Filler, and acrylic non-conductive pressure sensitive adhesive.

### Features and Benefits

- ❖ Supplied on a removable liner for easy handling and die-cutting
- ❖ Non-conductive acrylics adhesive
- ❖ Halogen Free\*

### Applications

- ❖ SLTL EMI Absorber is typically used for applications requiring electromagnetic absorbing performance.
- ❖ SLTL EMI Absorber helps suppress radiated noise from electrical devices for broadband radio frequency range.
- ❖ Common uses include mobile phone, computer, digital still camera, RF block, and general EMI absorbing

### Attenuation and Power Loss

Many factors determine the true attenuation of an electromagnetic absorbing material, including shape and thickness, intimacy of substrate contact, smoothness of application surface, strength and frequency of the EMI signal, etc. However, using standard tests and fixtures, it is possible to determine a typical value for the signal attenuation.

## KV-SCA-SK-1 typical attenuation range is dependent on thickness.

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

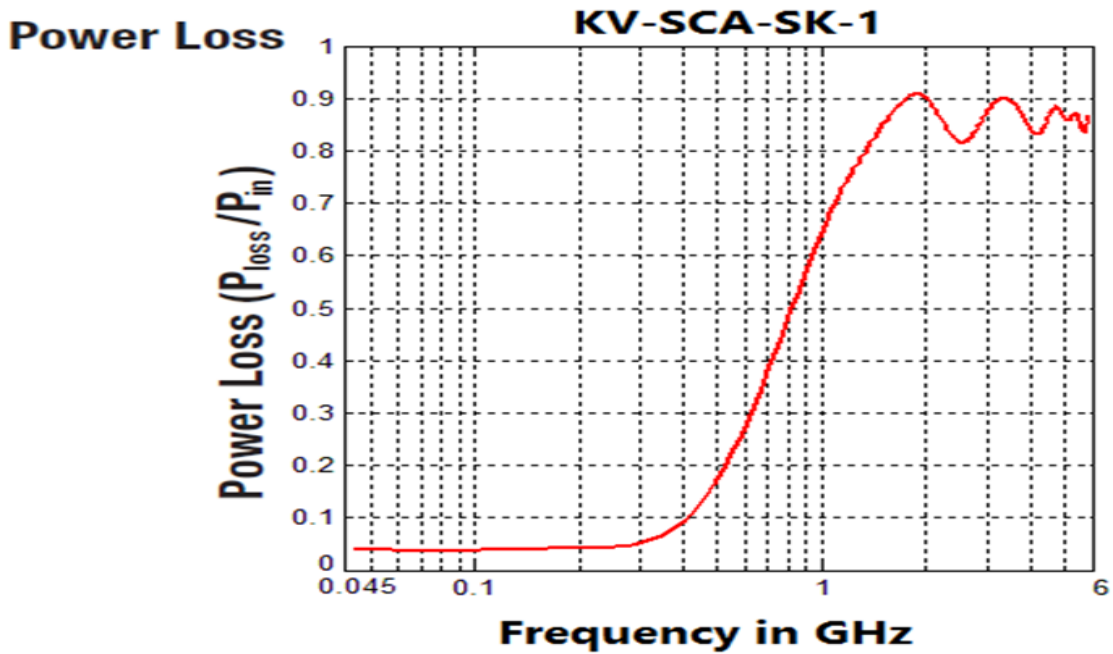
Properties	Typical Value
Type of Backing	Synthetic Rubber with Magnetic Metal Flake Filler
Type of Adhesive	Acrylic non-conductive pressure sensitive adhesive (PSA)
Product Number	KV-SCA-SK-1
Thickness <sup>1</sup>	1.50mm
Standard Packaging	300mm x 300mm
Temperature Range	-25 ~ 85°C
Surface Resistivity <sup>2</sup>	1 x 10 <sup>6</sup> Ω (min)
Thermal Conductivity	0.7 W/Mk
Tensile Strength <sup>3</sup>	6.0 MPa (min)
Attenuation (S11 Reflection Loss) and Power Loss <sup>4</sup>	Refer to attached chart

- 1) This value does not contain a double side adhesive tape thickness. Typical adhesive tape thickness is 50 µm
- 2) Test method: ASTM D257.
- 3) Test method: JIS K 6521.
- 4) Attenuation measured by 7mm coaxial verification kit under short fixed condition. Power loss measured by 50 Ω microstrip line.

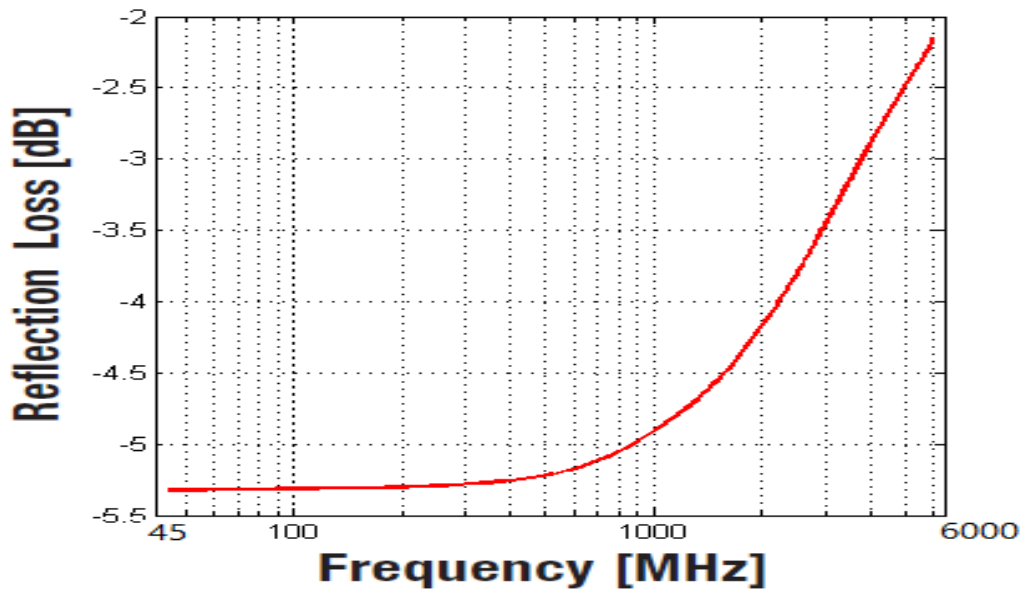
Halogen Free is defined as having maximum 900 ppm bromine, maximum 900 ppm chlorine, and/or maximum 1500 ppm total bromine and chlorine, per IEC 61249-2-21.

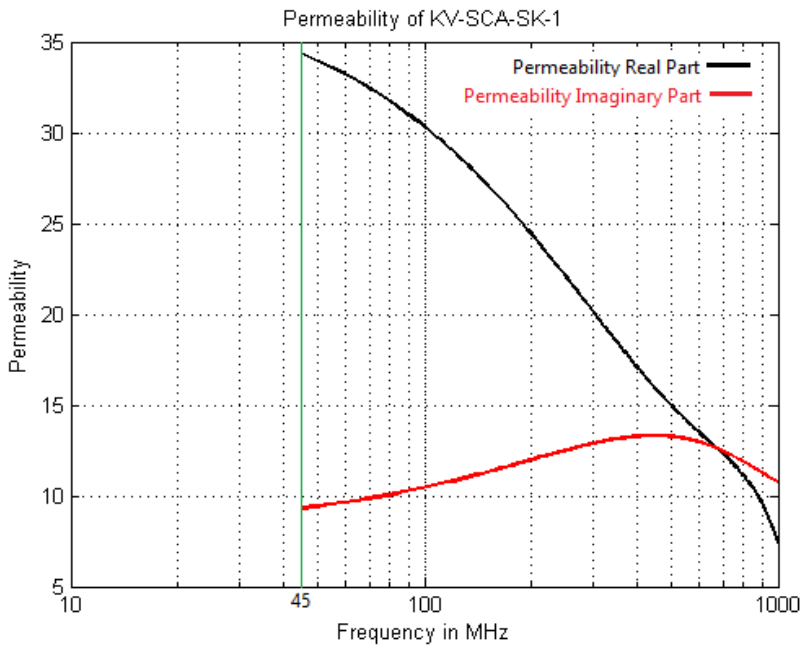
## SLTL EMI Absorber KV-SCA-SK-1 Typical Properties (continued)

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## Attenuation





## Storage and Shelf Life

The shelf life of KV-SCA-SK-1 is 12 months from the shipment date from the manufacturing location when stored in original cartons at 21°C (71°F) and 50% relative humidity.

## Safety Data Sheet

Consult Safety Data Sheet before use.

## Regulatory

For regulatory information about this product, contact your SLTL representative.

## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that SLTL believes are reliable, but the accuracy or completeness of such information is not guaranteed.

## Product Use

Many factors beyond SLTL's control and uniquely within user's knowledge and control can affect the use and performance of a SLTL product in a particular application. Given the variety of factors that can affect the use and performance of a SLTL product, user is solely responsible for evaluating the SLTL product and determining whether it is fit for a particular purpose and suitable for user's method of application.

## **Warranty, Limited Remedy, and Disclaimer**

Unless an additional warranty is specifically stated on the applicable SLTL product packaging or product literature, SLTL warrants that each SLTL product meets the applicable SLTL product specification at the time SLTL ships the product.

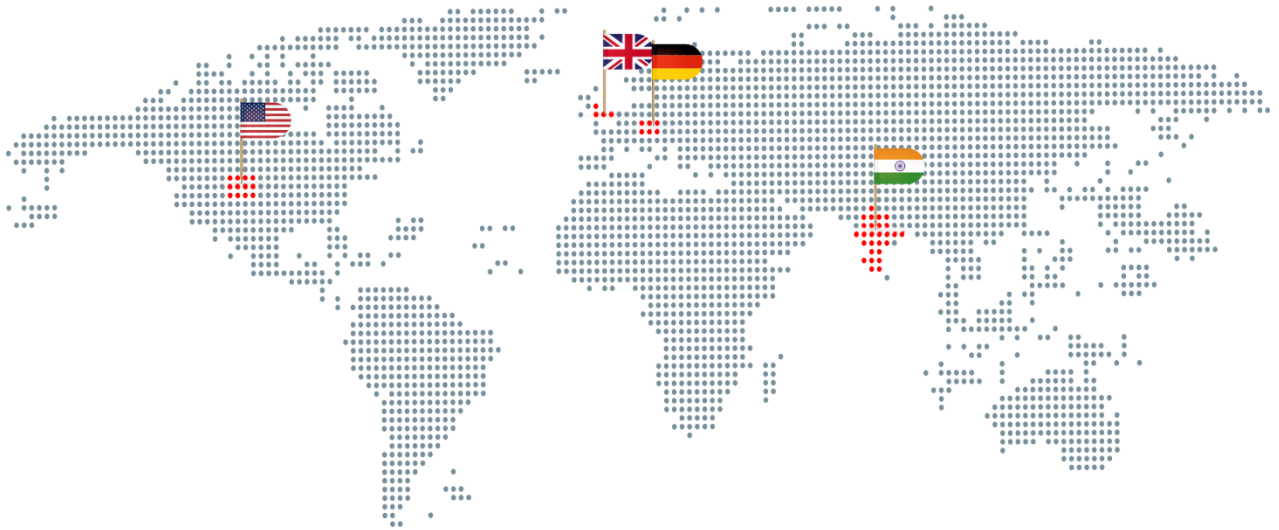
SLTL makes no other warranties or conditions, express or implied, including, but not limited to, any implied warranty or condition of merchantability or fitness for a particular purpose or any implied warranty or condition arising out of a course of dealing, custom or usage of trade.

If the SLTL product does not conform to this warranty, then the sole and exclusive remedy is, at SLTL's option, replacement of the SLTL product or refund of the purchase price.

## **Limitation of Liability**

Except where prohibited by law, SLTL will not be liable for any loss or damage arising from the SLTL product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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## SLTL'S STRENGTH

<p>Experience</p> <p><b>34+</b> Years</p>	<p>Mfg. Plants</p> <p><b>6</b> Laying Over</p> <p><b>54000</b> Sq. mtr.</p>	<p><b>10%</b></p> <p>Yearly R&amp;D</p>	<p>Exports</p> <p><b>40+</b></p> <p>Countries</p>
<p><b>15000+</b></p> <p>Systems</p>	<p><b>ISO</b></p> <p>9001-2015</p>	<p><b>26+</b></p> <p>Patents</p>	<p><b>31+</b></p> <p>Awards</p>



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