

# Broad Effect Core BRE Series

**NEW**



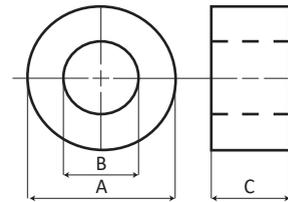
High-performance, broadband EMC noise suppression core

- Amorphous metal core, effective for suppression of conducted and radiated broadband noise from around 1 MHz~100MHz
- High impedance reduces the number of cable turns and remains stable within a wide temperature range
- PBT plastic housing provides electrical insulation and is rated UL94V-0
- Operating temperature  $-40^{\circ}\text{C} \sim 130^{\circ}\text{C}$

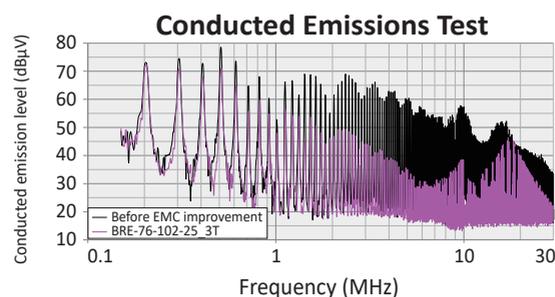
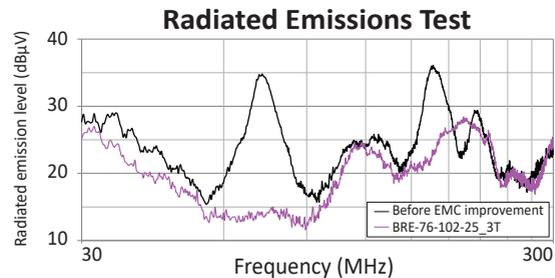
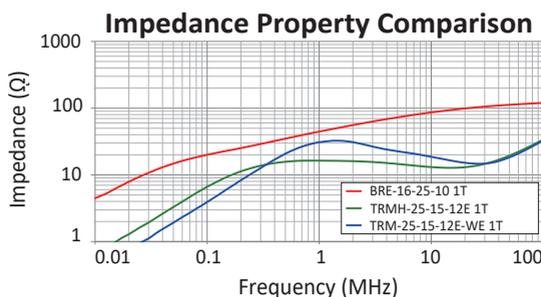
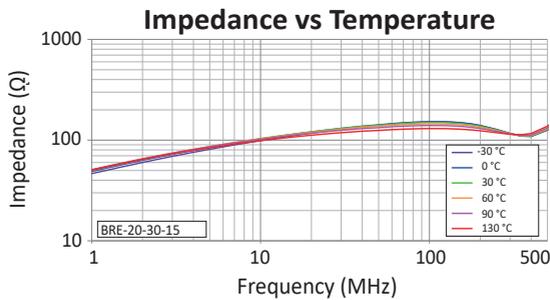
## Specification

Part Number	A	B	C	Impedance $\Omega$ / 1MHz(1turn)
BRE-16-25-10	27.5	13.8	12.6	$\geq 28$
BRE-20-30-15	33.5	17.7	17.9	$\geq 36$
BRE-23-33-15	36.3	21.0	18.0	$\geq 28$
BRE-35-45-15	48.6	31.6	18.5	$\geq 21$
BRE-50-65-25	68.4	46.7	28.7	$\geq 34$
BRE-50-80-25	84.0	47.0	29.2	$\geq 38$
BRE-76-102-25	107.9	70.2	30.4	$\geq 31$

Unit: mm



## Properties



**KGS** **KGS America**  
KITAGAWA INDUSTRIES America, Inc.  
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All statements, specifications, properties, technical information, and recommendations herein are based on tests; however, the accuracy and completeness are not guaranteed and are subject to change without notice due to product improvement and specification change. This statement is made in lieu of all warranties, expressed or implied, including the implied warranties of marketability, and fitness for purpose. KITAGAWA INDUSTRIES America, Inc. obligation under this warranty shall be limited to replacement of product that proves to be defective. Prior to use, the user shall determine the suitability of the product for its intended use, and the user assumes all risk and liability whatsoever in connection therewith. KITAGAWA INDUSTRIES America, Inc. shall have no liability for any injury, loss, or damage arising out of the use of or the inability to use the products. No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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**Please request for detailed product specification data prior to purchase**

Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.

Broad Effect Core\_BRE Series\_REV1\_06072021

## ■ Properties

### Impedance vs Frequency Characteristics

— 1 Turn — 2 Turn — 3 Turn

