## Noise Suppression Products/EMI Suppression Filters > For Automotive > Chip Ferrite Bead for Automotive Data Sheet For Automotive Chip Ferrite Bead for Automotive BLM31A Series (1206 Size) Dimensions Equivalent Circuit 0.7±0.3 1.1±0.2 3.2±0.2 1.6±0.2 (Resistance element becomes dominant at high frequencies.) : Electrode (in mm) Packaging Code Minimum Quantity Packaging L 180mm Embossed Tape 3000 κ 330mm Embossed Tape 10000 в Bulk(Bag) 1000 Rated Value ( packaging code) Impedance Impedance Operating Part Number **Rated Current DC** Resistance (at 100MHz/20°C) (at 1GHz/20°C) **Temperature Range** BLM31AJ601SH1 600ohm ±25% 200mA 0.90ohm max. -55 to +125°C Number of Circuits: 1 Impedance-Frequency Characteristics (Main Items) Impedance-Frequency Characteristics BLM31AJ601SH1 800 800 600 60 mpedance (Ω) G Impedance 400 40 200 1000 Frequency (MHz) 0 100 1000 3000 10 Frequency (MHz) Continued on the following page. • This data sheet is applied for CHIP FERRITE BEAD used for Automotive Electronics equipment for your design.

/Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



**Data Sheet** 

# Continued from the preceding page.

## ■ ①Caution/Notice

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1. Do not use products beyond the rated current as this may create excessive heat and deteriorate the insulation resistance.

2. Be sure to provide an appropriate fail-safe function on your product to prevent a second damage that may be caused by the abnormal function or the failure our product.

#### Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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