

# Chip Bead

ABGK Series ISO9001 | ISO14001 | IATF16949



- Noise  
Suppression
- Shield
- Multilayer
- Ferrite
- Medium  
Current

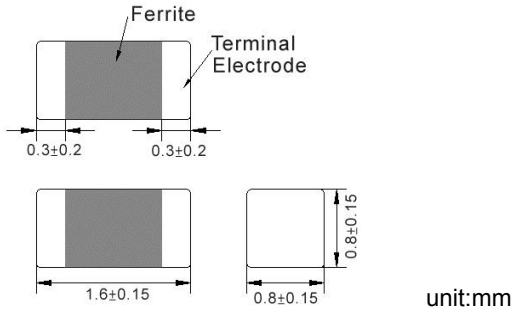
## Part Numbering

A	BGK	00	160808		121		Y	00
Grade	Series Name	Control Code	Dimensions Code (mm)		Impedance (Ω)		Tolerance	Internal Code
			160808	1.6x0.8x0.8	600	60	Y ±25%	
			201209	2.0x1.25x0.9	121	120		
					102	1000		

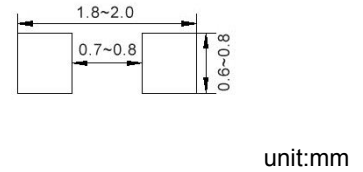
This specification applies to Multilayer Chip ferrite Bead for Automotive Electronics based on AEC-Q200 except for Power train and Safety.

## ABGK00160808 Type

### Dimensions



### Recommended Land Pattern



### Electrical Characteristics

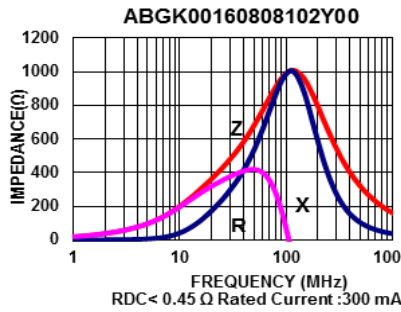
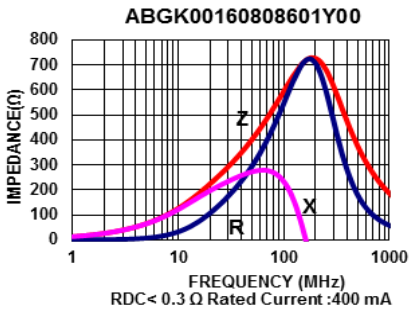
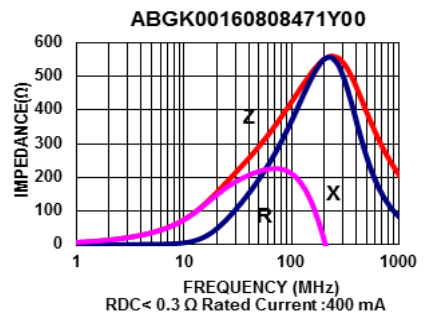
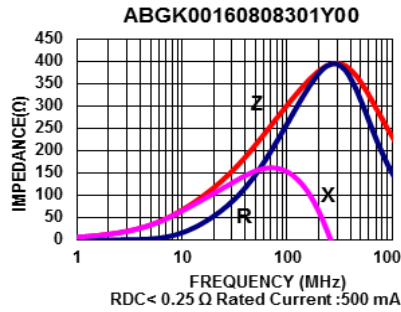
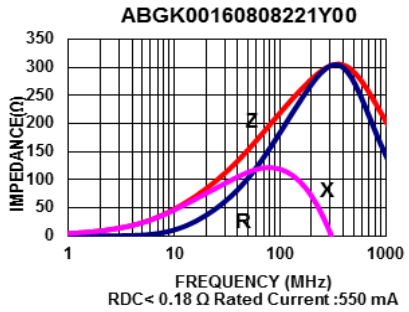
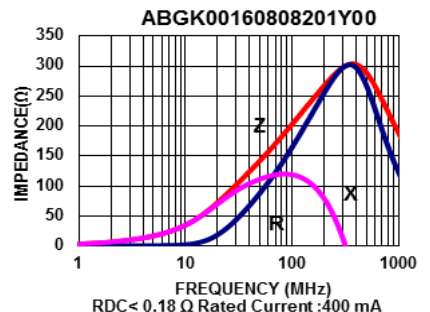
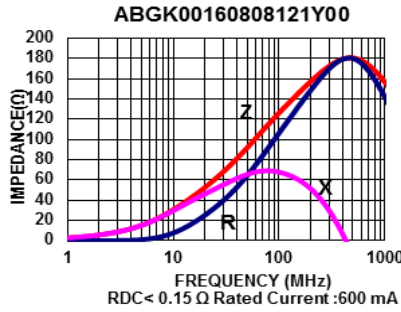
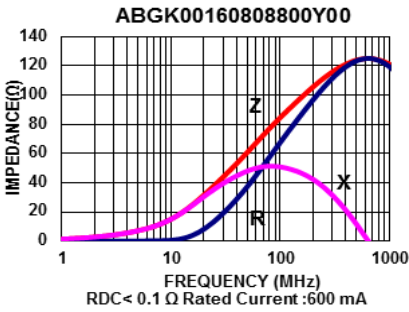
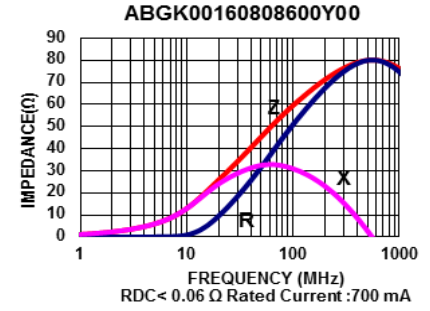
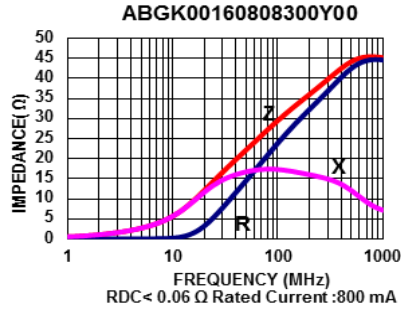
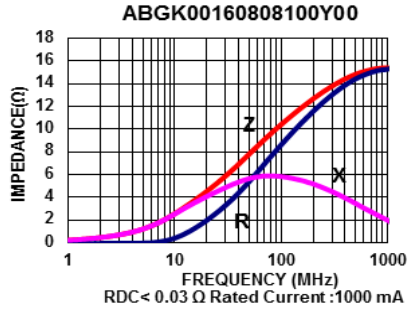
Part No.	Impedance ( $\Omega$ )	Test Freq.	RDC ( $\Omega$ )Max.	Rated Current (mA)Max.
ABGK00160808100Y00	10	100 MHz, 200 mV	0.03	1000
ABGK00160808300Y00	30	100 MHz, 200 mV	0.06	800
ABGK00160808600Y00	60	100 MHz, 200 mV	0.06	700
ABGK00160808800Y00	80	100 MHz, 200 mV	0.10	600
ABGK00160808121Y00	120	100 MHz, 200 mV	0.15	600
ABGK00160808201Y00	200	100 MHz, 200 mV	0.18	400
ABGK00160808221Y00	220	100 MHz, 200 mV	0.18	550
ABGK00160808301Y00	300	100 MHz, 200 mV	0.25	500
ABGK00160808471Y00	470	100 MHz, 200 mV	0.30	400
ABGK00160808601Y00	600	100 MHz, 200 mV	0.30	400
ABGK00160808102Y00	1000	100 MHz, 200 mV	0.45	300

**Note: When ordering, please specify tolerance code. Tolerance: Y=±25%**

1. Operating temperature range - 55°C ~ 125°C
2. Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C
3. Measure Equipment:
  - Z: HP4291A
  - RDC: HP4338B or CHEN HWA 502

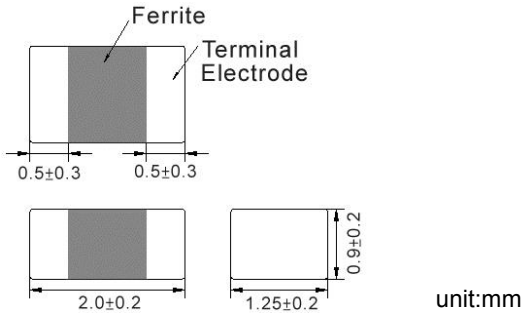
## ABGK00160808 Type

### Characteristics Graph

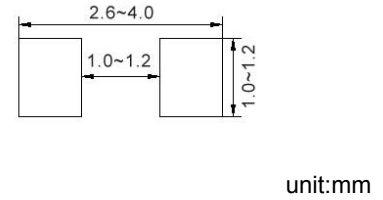


## ABGK00201209 Type

### ■ Dimensions



### ■ Recommended Land Pattern



### ■ Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq.	RDC (Ω)Max.	Rated Current (mA)Max.
ABGK00201209600Y00	60	100 MHz,200 mV	0.10	900
ABGK00201209800Y00	80	100 MHz,200 mV	0.10	800
ABGK00201209121Y00	120	100 MHz,200 mV	0.15	800
ABGK00201209221Y00	220	100 MHz,200 mV	0.18	750
ABGK00201209301Y00	300	100 MHz,200 mV	0.18	700
ABGK00201209601Y00	600	100 MHz,200 mV	0.25	500
ABGK00201209102Y00	1000	100 MHz,200 mV	0.30	400

**Note: When ordering, please specify tolerance code. Tolerance: Y=±25%**

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## ABGK00201209 Type

### Characteristics Graph

