

- **Multilayer Ferrite / Ceramic Chip Beads/ Inductors**

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			201209 (0805)		
			321611 (1206)		
			321616 (1206)		
			322513 (1210)		
			451616 (1806)		
			453215 (1812)		
	FBM	High Frequency	160808 (0603)	N3	
			201209 (0805)		
	FPM	High Current	160808 (0603)	N1 N2 N3	
			201209 (0805)		
			321611 (1206)		
			451616 (1806)		
			453215 (1812)		
	FRM	Low Speed	160808 (0603)	S2	
			201209 (0805)		
			321611 (1206)		
	FLM	Medium Current	160808 (0603)	N1 N2 N4	
			201209 (0805)		
	FBA4	Multi-line	321611 (1206)	N2 N3	
	FHM	High Speed	201209 (0805)	S3	
Multilayer Ferrite Chip Inductors	FLL	General Circuit	160808 (0603)	-	
			201209 (0805)		
			321611 (1206)		
Multilayer Ceramic Chip Inductors	CHL	High Frequency	100505 (0402)	-	
			160808 (0603)		
			201209 (0805)		

Classifications

FAM Type: designed for general-purpose applications with wide range of impedance.

FBM Type: designed for high frequency applications. This type minimizes attenuation of the signal waveform by its sharp impedance characteristics.

FPM Type: designed for high current applications, which is suitable for noise near power lines.

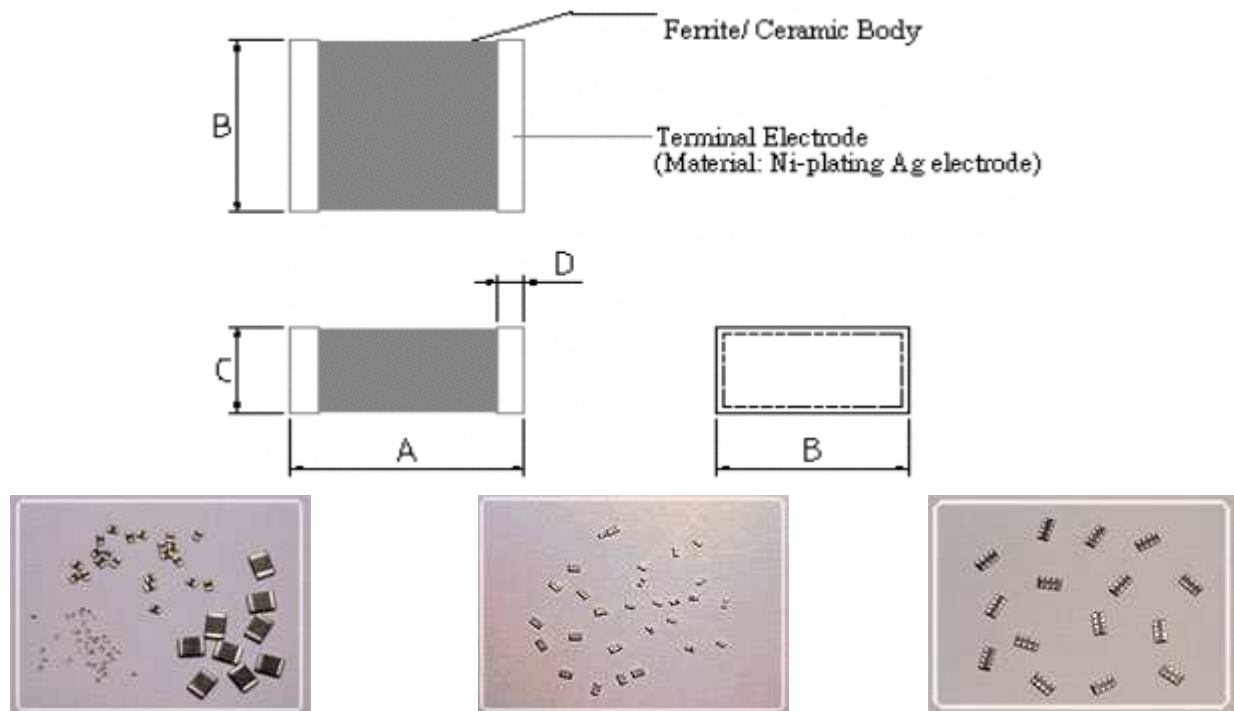
FRM Type: designed for low frequency applications with higher impedance at low frequency.

FLM Type: designed for high current signal lines applications with low DC resistance across a wide range of impedances. The current capacity is between FAM and FPM type.

FHM Type: designed for high-speed applications that used for noise suppression at frequencies higher than the FBM Type.

FBA4 Type: designed for multi-line applications that need high-density packaging of electric circuits.

Shape & Dimensions



Chip Beads/ Inductors

Unit: m/m (inch)

Dimensions	A	B	C	D
100505 (0402)	1.00±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.50±0.10 (0.020±0.004)	0.25±0.10 (0.010±0.004)
160808 (0603)	1.60±0.20 (0.063±0.008)	0.80±0.20 (0.031±0.008)	0.80±0.20 (0.031±0.008)	0.30±0.20 (0.012±0.008)
201209 (0805)	2.00±0.20 (0.079±0.008)	1.20±0.20 (0.047±0.008)	0.90±0.20 (0.035±0.008)	0.50±0.30 (0.020±0.012)
321611 (1206)	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.10±0.20 (0.043±0.008)	0.50±0.30 (0.020±0.012)
321616 (1206)	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.60±0.20 (0.063±0.008)	0.50±0.30 (0.020±0.012)
322513 (1210)	3.20±0.20 (0.126±0.008)	2.50±0.20 (0.098±0.008)	1.30±0.20 (0.051±0.008)	0.50±0.30 (0.020±0.012)
451616 (1806)	4.50±0.20 (0.177±0.008)	1.60±0.20 (0.063±0.008)	1.60±0.20 (0.063±0.008)	0.50±0.30 (0.020±0.012)
453215 (1812)	4.50±0.20 (0.177±0.008)	3.20±0.20 (0.126±0.008)	1.50±0.20 (0.059±0.008)	0.50±0.30 (0.020±0.012)

Beads Array

L	W	T	C ₁	C ₂	D	M
3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	0.80±0.10 (0.031±0.004)	0.40±0.15 (0.016±0.006)	0.20~0.45 (0.008~0.018)	0.80±0.10 (0.031±0.004)	0.20±0.10 (0.008±0.004)

Product Applicable Frequency Overview

