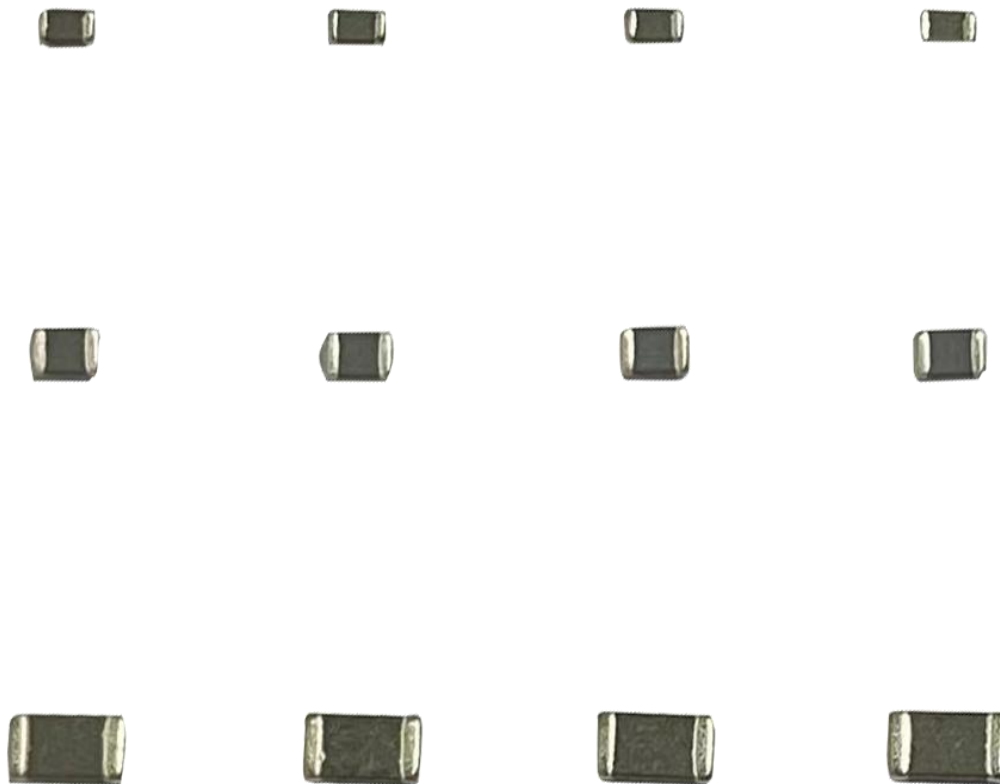


MULTILAYER CHIP FERRITE BEAD

High rated current series



StricTron

Strictron Electronics Limited

S02-BG04-01

Multilayer chip ferrite bead



General notices

- The described product is designed for general use only, using in safety-critical, high-reliability or particular applications shall be pre-evaluated by customer.
- Strictron products are unilaterally subject to Strictron standards and are also compliant with common industry standards, demand or expectation from customer side is not warranted.
- Independent reliability of the described product is ensured by Strictron, risks or losses arising during or after particularly or unnormally applying the product, as well as arising from the finished module or product installed the described products, are always beyond the responsibility of Strictron.
- Please conduct validation and verification in actual condition of mounting and operating environment before widely use the described product in mass production.

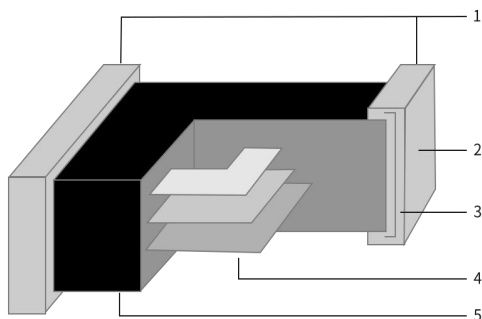
Product introduction

As a wide-used type of noise suppressing product, multilayer chip ferrite bead is made from soft ferrite material, it conducts great performance on EMI suppression in frequency range from MHz to GHz.

Miniaturization and lightweight are the outstanding strength of it. Besides, the closed magnetic circuit structure can efficiently eliminate the crosstalk of signals.

Generally the multilayer chip ferrite bead is used in clock generation circuit, I/O input or output internal connector(such as serial port, parallel port, keyboard, mouse, long-distance telecommunications and local area network), computer, printer, video recorder (VCR), TV system and mobile phone. As well as used in power supply circuit, between analog circuit and digital circuit, or used to filter high-frequency conducted interference between radio frequency (RF) circuits and those easily disturbed logic equipments.

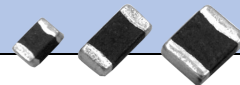
Structure profile



Structure diagram

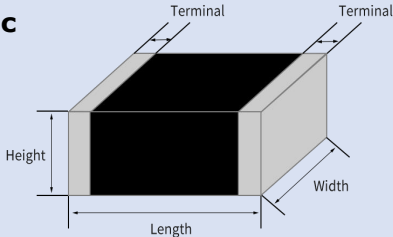
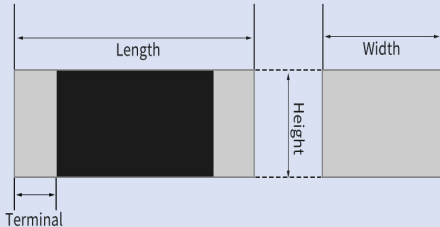
Item	Structure part
1	Terminal electrode
2	Silver layer
3	Plating layer
4	Interior electrode
5	Ferrite body

Multilayer chip ferrite bead

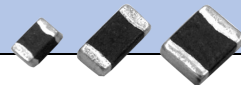


Part number naming rules

B**	G	3216	-	102	T	10
Category	Series	Size	Impedence		Tape&reel	Current
	①	④	②			③
Postscript ①: Series						
G		High rated current series				
Postscript ②: Impedance						
100	10Ω	101	100Ω	102	1000Ω	
Postscript ③: Current						
05	0.5A	10	1A	15	1.5A	

Postscript ④: Size(mm)					
Metric code	Imperial code	Length	Width	Height (max)	Terminal
1005	0402	1.0±0.15	0.5±0.15	0.70	0.25±0.10
1608	0603	1.6±0.20	0.8±0.20	1.05	0.30±0.20
2012	0805	2.0±0.20	1.2±0.20	1.45	0.50±0.30
3216	1206	3.2±0.20	1.6±0.20	1.35	0.50±0.30
3225	1210	3.2±0.20	2.5±0.20	1.55	0.50±0.30
4516	1806	4.5±0.20	1.6±0.20	1.85	0.50±0.30
4532	1812	4.5±0.20	3.2±0.20	1.75	0.50±0.30
Sketch					
Stereoscopic 			Planar 		

Multilayer chip ferrite bead

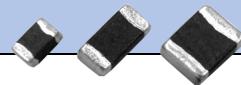


Product parameter lineup

Size **1005**(0402)

Part code	Nominal impedance (Ω)	Impedance tolerance	Test frequency (MHz)	RDC (Ω) max.	Rated current (A) max.
G1005-100T20	10	±50%	100	0.10	2.0
G1005-200T18	20	±50%	100	0.10	1.8
G1005-300T13	30	±25%	100	0.15	1.3
G1005-600T10	60	±25%	100	0.20	1.0
G1005-700T08	70	±25%	100	0.25	0.8
G1005-800T08	80	±25%	100	0.25	0.8
G1005-101T08	100	±25%	100	0.25	0.8
G1005-121T08	120	±25%	100	0.25	0.8
G1005-151T07	150	±25%	100	0.30	0.7
G1005-201T07	200	±25%	100	0.35	0.7
G1005-221T06	220	±25%	100	0.45	0.6
G1005-301T06	300	±25%	100	0.45	0.6
G1005-501T05	500	±25%	100	0.60	0.5
G1005-601T05	600	±25%	100	0.75	0.5
G1005-801T03	800	±25%	100	0.85	0.3
G1005-102T03	1000	±25%	100	0.90	0.3

Multilayer chip ferrite bead

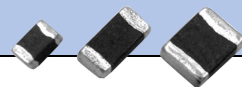


Product parameter lineup

Size **1608**(0603)

Part code	Nominal impedance (Ω)	Impedance tolerance	Test frequency (MHz)	RDC (Ω) max.	Rated current (A) max.
G1608-100T60	10	±50%	100	0.05	6.0
G1608-200T50	20	±50%	100	0.05	5.0
G1608-300T40	30	±25%	100	0.05	4.0
G1608-500T30	50	±25%	100	0.08	3.0
G1608-600T30	60	±25%	100	0.08	3.0
G1608-800T25	80	±25%	100	0.10	2.5
G1608-101T25	100	±25%	100	0.10	2.5
G1608-121T20	120	±25%	100	0.10	2.0
G1608-151T15	150	±25%	100	0.12	1.5
G1608-221T15	220	±25%	100	0.15	1.5
G1608-301T15	300	±25%	100	0.20	1.5
G1608-501T12	500	±25%	100	0.20	1.2
G1608-601T12	600	±25%	100	0.20	1.2
G1608-801T07	800	±25%	100	0.40	0.7
G1608-102T06	1000	±25%	100	0.50	0.6
G1608-122T05	1200	±25%	100	0.75	0.5
G1608-152T05	1500	±25%	100	0.85	0.5
G1608-182T05	1800	±25%	100	0.90	0.5
G1608-202T05	2000	±25%	100	1.10	0.5

Multilayer chip ferrite bead

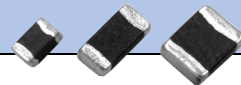


Product parameter lineup

Size **2012**(0805)

Part code	Nominal impedance (Ω)	Impedance tolerance	Test frequency (MHz)	RDC (Ω) max.	Rated current (A) max.
G2012-100T60	10	±50%	100	0.05	6.0
G2012-200T60	20	±50%	100	0.05	6.0
G2012-300T60	30	±25%	100	0.05	6.0
G2012-500T35	50	±25%	100	0.08	3.5
G2012-600T35	60	±25%	100	0.08	3.5
G2012-700T30	70	±25%	100	0.08	3.0
G2012-800T30	80	±25%	100	0.08	3.0
G2012-101T30	100	±25%	100	0.10	3.0
G2012-121T30	120	±25%	100	0.10	3.0
G2012-151T25	150	±25%	100	0.15	2.5
G2012-181T25	180	±25%	100	0.15	2.5
G2012-221T25	220	±25%	100	0.15	2.5
G2012-301T25	300	±25%	100	0.15	2.5
G2012-501T20	500	±25%	100	0.18	2.0
G2012-601T20	600	±25%	100	0.18	2.0
G2012-801T15	800	±25%	100	0.25	1.5
G2012-102T15	1000	±25%	100	0.30	1.5
G2012-122T05	1200	±25%	100	0.55	0.5
G2012-152T03	1500	±25%	100	0.65	0.3

Multilayer chip ferrite bead

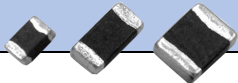


Product parameter lineup

Size **3216**(1206)

Part code	Nominal impedance (Ω)	Impedance tolerance	Test frequency (MHz)	RDC (Ω) max.	Rated current (A) max.
G3216-100T60	10	±50%	100	0.03	6.0
G3216-200T60	20	±50%	100	0.03	6.0
G3216-300T60	30	±25%	100	0.03	6.0
G3216-500T40	50	±25%	100	0.05	4.0
G3216-600T40	60	±25%	100	0.05	4.0
G3216-700T40	70	±25%	100	0.06	4.0
G3216-800T40	80	±25%	100	0.06	4.0
G3216-101T40	100	±25%	100	0.07	4.0
G3216-121T40	120	±25%	100	0.07	4.0
G3216-151T30	150	±25%	100	0.08	3.0
G3216-181T30	180	±25%	100	0.09	3.0
G3216-221T30	220	±25%	100	0.09	3.0
G3216-301T25	300	±25%	100	0.10	2.5
G3216-501T25	500	±25%	100	0.12	2.5
G3216-601T20	600	±25%	100	0.12	2.0
G3216-801T20	800	±25%	100	0.15	2.0
G3216-102T10	1000	±25%	100	0.25	1.0
G3216-102T20	1000	±25%	100	0.18	2.0

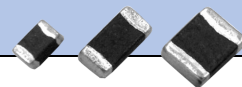
Multilayer chip ferrite bead



Product parameter lineup

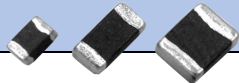
Size **3225**(1210)

Part code	Nominal impedance (Ω)	Impedance tolerance	Test frequency (MHz)	RDC (Ω) max.	Rated current (A) max.
G3225-200T50	20	±50%	100	0.04	5.0
G3225-300T50	30	±25%	100	0.04	5.0
G3225-600T40	60	±25%	100	0.06	4.0
G3225-800T30	80	±25%	100	0.08	3.0
G3225-121T30	120	±25%	100	0.11	3.0
G3225-151T30	150	±25%	100	0.13	3.0
G3225-181T30	180	±25%	100	0.16	3.0
G3225-221T30	220	±25%	100	0.16	3.0
G3225-301T30	300	±25%	100	0.18	3.0
G3225-501T20	500	±25%	100	0.20	2.0
G3225-601T20	600	±25%	100	0.22	2.0
G3225-801T20	800	±25%	100	0.26	2.0
G3225-102T20	1000	±25%	100	0.32	2.0

Multilayer chip ferrite bead**Product parameter lineup**Size **4516**(1806)

Part code	Nominal impedance (Ω)	Impedance tolerance	Test frequency (MHz)	RDC (Ω) max.	Rated current (A) max.
G4516-200T60	20	$\pm 50\%$	100	0.02	6.0
G4516-300T60	30	$\pm 25\%$	100	0.03	6.0
G4516-600T60	60	$\pm 25\%$	100	0.06	6.0
G4516-800T60	80	$\pm 25\%$	100	0.08	6.0
G4516-121T60	120	$\pm 25\%$	100	0.10	6.0
G4516-181T50	180	$\pm 25\%$	100	0.12	5.0
G4516-221T50	220	$\pm 25\%$	100	0.16	5.0
G4516-301T40	300	$\pm 25\%$	100	0.21	4.0
G4516-501T10	500	$\pm 25\%$	100	0.28	1.0
G4516-601T10	600	$\pm 25\%$	100	0.28	1.0
G4516-801T10	800	$\pm 25\%$	100	0.32	1.0

Multilayer chip ferrite bead



Product parameter lineup

Size **4532**(1812)

Part code	Nominal impedance (Ω)	Impedance tolerance	Test frequency (MHz)	RDC (Ω) max.	Rated current (A) max.
G4532-300T60	30	±25%	100	0.02	6.0
G4532-400T60	40	±25%	100	0.02	6.0
G4532-500T60	50	±25%	100	0.02	6.0
G4532-600T60	60	±25%	100	0.02	6.0
G4532-700T60	70	±25%	100	0.02	6.0
G4532-800T90	80	±25%	100	0.01	9.0
G4532-900T90	90	±25%	100	0.01	9.0
G4532-121T90	120	±25%	100	0.01	9.0
G4532-181T60	180	±25%	100	0.03	6.0
G4532-221T60	220	±25%	100	0.03	6.0