

**FEATURES****Multilayer Chip Bead:**

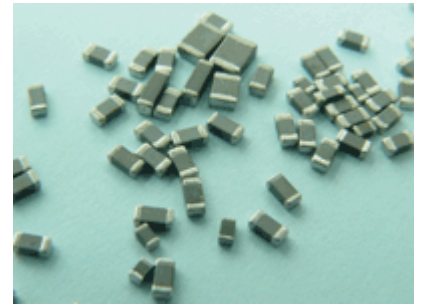
- These small size chips generating high impedance.
- Either flow or reflow soldering methods can be use due to electroplating of the terminal electrodes.
- High reliability due to an entirely monolithic structure.
- Low DC resistance structure of electrode prevents wasteful electric power consumption.

**Sharp Chip Bead:**

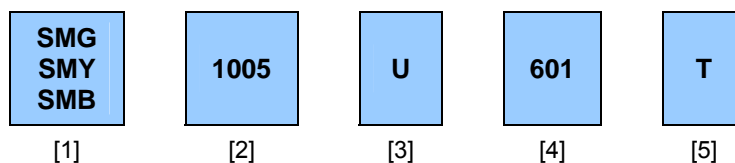
- Excellent in solderability and heat resistance with soldering, can be applicable for either flow or reflow soldering.
- Can be mounted with SMT equipment.
- Monolithic structure and inorganic material, high reliability.

**High Current Chip Bead:**

- Suitable for surface mount devices, maximum current 1A - 9A.
- High impedance and good EMI attenuation effects in wide band range.
- Can be applicable for either flow or reflow soldering.

**APPLICATIONS**

- Computers and peripheral equipment.
- VCR, Television, Pagers.
- Cellular phones.
- Digital communication equipment.
- Various electronics equipment.
- Circuit where a stable ground is unavailable.

**ORDERING CODE**

[1] **Product Series:** SMG-Multilayer Chip Beads; SMY-Sharp Chip Beads; SMB-High Current Chip Beads

[2] **Size Code:** See Chip Size Table

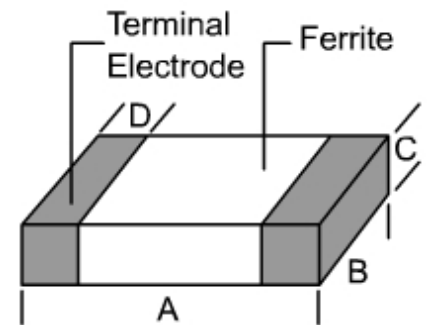
[3] **Material Code:** V, U, X, J

[4] **Impedance:** 2 Sig. Digit+Number of Zero. E.g. 050=5Ω, 601=600Ω

[5] **Packing:** T-Tape & Reel; B-Bulk

**■ DIMENSIONS**

Type	A	B	C	D
100505	1.0 ±0.15	0.5 ±0.15	0.5 ±0.15	0.25 ±0.10
160808	1.6 ±0.20	0.8 ±0.20	0.8 ±0.20	0.3 ±0.20
201209	2.0 ±0.20	1.2 ±0.20	0.9 ±0.20	0.5 ±0.30
201212	2.0 ±0.20	1.2 ±0.20	1.2 ±0.20	0.5 ±0.30
321611	3.2 ±0.20	1.6 ±0.20	1.1 ±0.20	0.5 ±0.30
321616	3.2 ±0.20	1.6 ±0.20	1.6 ±0.20	0.5 ±0.30
322513	3.2 ±0.20	2.5 ±0.20	1.3 ±0.20	0.5 ±0.30
322525	3.2 ±0.20	2.5 ±0.20	2.5 ±0.20	0.5 ±0.30


**■ HIGH CURRENT CHIP BEAD**
**SMB Series Type 1608(0603) ..... 3216(1206)**

SKYMOS Part Number	Impedance ( )	Tolerance	Test Frequency (MHz)	DC Resistance ( ) max	Rated Current (mA) max
SMB160808U300○	30	±25%	100	0.06	1.0
SMB201209U070○	7			0.03	3.0
SMB201209U110○	11			0.025	3.0
SMB201209U300○	30			0.025	3.0
SMB201209U600○	60			0.025	3.0
SMB201209U700○	70			0.025	3.0
SMB321611U190○	19			0.04	3.0
SMB321611U260○	26			0.04	3.0
SMB321611U310○	31			0.04	3.0
SMB321611U500○	50			0.03	3.0
SMB321611U600○	60			0.03	3.0
SMB321611U700○	70			0.03	3.0
SMB321611U800○	80			0.03	3.0
SMB321611U121○	120			0.02	3.0

○ Please specify the package style: T – Tape & Reel; B – Bulk

Specific requirement can be made upon request

**MULTILAYER CHIP BEAD**
**SMG Series Type 1005(0402)**

SKYMOS Part Number	Impedance ( )	Tolerance	Test Frequency (MHz)	DC Resistance ( ) max	Rated Current (mA) max
SMG100505U060○	6	±25%	100	0.05	500
SMG100505U100○	10			0.05	500
SMG100505U150○	15			0.05	500
SMG100505U190○	19			0.10	500
SMG100505U220○	22			0.10	300
SMG100505U310○	31			0.10	300
SMG100505U330○	33			0.20	300
SMG100505U470○	47			0.30	300
SMG100505U600○	60			0.35	200
SMG100505U800○	80			0.40	200
SMG100505U101○	100			0.45	150
SMG100505U151○	150			0.50	150
SMG100505U221○	220			0.65	120
SMG100505U331○	330			0.80	120
SMG100505U471○	470			1.00	50
SMG100505U601○	600			1.20	50
SMG100505U801○	800			1.50	50
SMG100505U102○	1000			1.60	50

**SMG Series Type 1608(0603)**

SKYMOS Part Number	Impedance ( )	Tolerance	Test Frequency (MHz)	DC Resistance ( ) max	Rated Current (mA) max
SMG160808U050○	5	±25%	100	0.20	600
SMG160808U090○	9			0.20	500
SMG160808U110○	11			0.20	500
SMG160808U190○	19			0.20	500
SMG160808U310○	31			0.30	400
SMG160808U600○	60			0.30	300
SMG160808U800○	80			0.30	300
SMG160808U121○	120			0.30	200
SMG160808U221○	220			0.30	200
SMG160808U301○	300			0.35	150
SMG160808U451○	450			0.40	150
SMG160808U601○	600			0.45	100
SMG160808U801○	800			0.50	100
SMG160808U102○	1000			0.60	100

○ Please specify the package style: T – Tape & Reel; B – Bulk

Specific requirement can be made upon request

**SMG Series Type 2012(0805)**

SKYMOS Part Number	Impedance ( )	Tolerance	Test Frequency (MHz)	DC Resistance ( ) max	Rated Current (mA) max
SMG201209U070○	6	±25%	100	0.20	600
SMG201209U110○	10			0.20	600
SMG201209U190○	15			0.20	600
SMG201209U260○	22			0.20	400
SMG201209U310○	33			0.20	400
SMG201209U700○	47			0.25	400
SMG201209U800○	60			0.25	400
SMG201209U121○	80			0.25	300
SMG201209U151○	150			0.25	300
SMG201209U221○	220			0.25	300
SMG201209U301○	330			0.25	200
SMG201209U501○	470			0.35	200
SMG201209U601○	600			0.40	200
SMG201209U801○	800			0.40	150
SMG201209U102○	1000			0.45	100

**SMG Series Type 3216(1206)**

SKYMOS Part Number	Impedance ( )	Tolerance	Test Frequency (MHz)	DC Resistance ( ) max	Rated Current (mA) max
SMG321611U190○	19	±25%	100	0.20	500
SMG321611U260○	26			0.20	500
SMG321611U310○	31			0.20	500
SMG321611U600○	60			0.30	400
SMG321611U700○	70			0.30	400
SMG321611U800○	80			0.30	300
SMG321611U900○	90			0.30	300
SMG321611U121○	120			0.30	300
SMG321611U151○	150			0.30	300
SMG321611U301○	300			0.30	300
SMG321611U501○	500			0.30	200
SMG321611U601○	600			0.30	200
SMG321611U801○	800			0.30	200
SMG321611U102○	1000			0.30	200
SMG321611U122○	1200			50	0.50
SMG321611U202○	2000		0.60		100

○ Please specify the package style: T – Tape & Reel; B – Bulk

Specific requirement can be made upon request

**SHARP CHIP BEAD**
**SMY Series TYPE 1005(0402)**

SKYMOS Part Number	Impedance ( )	Tolerance	Test Frequency (MHz)	DC Resistance ( ) max	Rated Current (mA) max
SMY100505V100○	10	±25%	100	0.05	500
SMY100505V310○	31			0.20	300
SMY100505V600○	60			0.40	200
SMY100505V121○	120				
SMY100505V221○	220			0.50	200

**SMY Series TYPE 1608(0603)**

SKYMOS Part Number	Impedance ( )	Tolerance	Test Frequency (MHz)	DC Resistance ( ) max	Rated Current (mA) max
SMY160808V050○	5	±25%	100	0.20	600
SMY160808V090○	9			0.20	500
SMY160808V110○	11			0.20	500
SMY160808V190○	19			0.20	500
SMY160808V310○	31			0.30	400
SMY160808V600○	60			0.30	300
SMY160808V800○	80			0.30	300
SMY160808V121○	120			0.30	200
SMY160808V221○	220			0.30	200
SMY160808V301○	300			0.35	150
SMY160808V451○	450			0.40	150
SMY160808V601○	600			0.45	100
SMY160808V801○	800			0.50	100
SMY160808V102○	1000			0.60	100

○ Please specify the package style: T – Tape & Reel; B – Bulk  
 Specific requirement can be made upon request