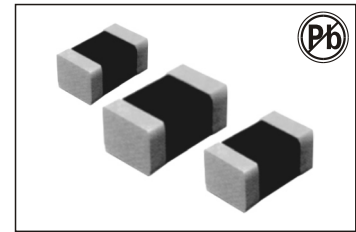


# SURFACE-MOUNT MULTI-LAYER CHIP BEADS

## SBL 2012,3216 SERIES



### FEATURES:

- Multilayer structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent magnetic shield
- Excellent solderability
- High reliability
- EMI/RFI suppression
- 20% impedance tolerance

### OPTIONS:

- Packaging: Tape & Reel is standard (Qty's: 2000 pcs)
- Bulk packaging available for smaller quantities
- Impedance: Optional values available

### COMMON APPLICATIONS:

- Cellular Phones
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

### ELECTRICAL CHARACTERISTICS:

| Part Number  | IMPEDANCE $\Omega$ AT 100 MHz | DCR ( $\Omega$ ) Max | IDC Max mA | Part Number  | IMPEDANCE ( $\Omega$ ) AT 100 MHz | DCR ( $\Omega$ ) Max | IDC Max mA |
|--------------|-------------------------------|----------------------|------------|--------------|-----------------------------------|----------------------|------------|
| SBL2012A070H | 7                             | 0.20                 | 600        | SBL3216A700H | 70                                | 0.30                 | 400        |
| SBL2012A110H | 11                            | 0.20                 | 600        | SBL3216A800H | 80                                | 0.30                 | 300        |
| SBL2012A190H | 19                            | 0.20                 | 600        | SBL3216A101H | 100                               | 0.30                 | 300        |
| SBL2012A260H | 26                            | 0.20                 | 400        | SBL3216A121H | 120                               | 0.30                 | 300        |
| SBL2012A310H | 31                            | 0.20                 | 400        | SBL3216A151H | 150                               | 0.30                 | 300        |
| SBL2012A360H | 36                            | 0.20                 | 400        | SBL3216A181H | 180                               | 0.35                 | 300        |
| SBL2012A600L | 60                            | 0.25                 | 400        | SBL3216A221H | 220                               | 0.30                 | 300        |
| SBL2012A700L | 70                            | 0.25                 | 400        | SBL3216A301H | 300                               | 0.30                 | 300        |
| SBL2012A800L | 80                            | 0.25                 | 400        | SBL3216A501H | 500                               | 0.30                 | 200        |
| SBL2012A101L | 100                           | 0.25                 | 400        | SBL3216A601H | 600                               | 0.30                 | 200        |
| SBL2012A121L | 120                           | 0.25                 | 300        | SBL3216A801H | 800                               | 0.30                 | 200        |
| SBL2012A151L | 150                           | 0.25                 | 300        | SBL3216A102H | 1000                              | 0.30                 | 200        |
| SBL2012A181L | 180                           | 0.25                 | 300        | SBL3216A122H | 1200                              | 0.50                 | 100        |
| SBL2012A221H | 220                           | 0.25                 | 300        | SBL3216A152H | 1500                              | 0.60                 | 100        |
| SBL2012A301H | 300                           | 0.25                 | 300        | SBL3216A202L | 2000                              | 0.60                 | 100        |
| SBL2012A501H | 500                           | 0.35                 | 200        | SBL3216A252L | 2500                              | 0.80                 | 100        |
| SBL2012A601H | 600                           | 0.40                 | 200        | SBL3216A302L | 3000                              | 1.00                 | 80         |
| SBL2012A801H | 800                           | 0.40                 | 150        |              |                                   |                      |            |
| SBL2012A102H | 1000                          | 0.45                 | 100        |              |                                   |                      |            |
| SBL2012A122H | 1200                          | 0.06                 | 100        |              |                                   |                      |            |
| SBL2012A152H | 1500                          | 0.80                 | 100        |              |                                   |                      |            |
| SBL2012A202H | 2000                          | 0.90                 | 50         |              |                                   |                      |            |
| SBL2012A222H | 2200                          | 1.00                 | 50         |              |                                   |                      |            |
| SBL2012A252H | 2500                          | 1.20                 | 50         |              |                                   |                      |            |
| SBL2012A302H | 3000                          | 1.40                 | 50         |              |                                   |                      |            |
| SBL3216A190H | 19                            | 0.20                 | 500        |              |                                   |                      |            |
| SBL3216A260H | 26                            | 0.20                 | 500        |              |                                   |                      |            |
| SBL3216A310H | 31                            | 0.30                 | 500        |              |                                   |                      |            |
| SBL3210A600H | 60                            | 0.30                 | 400        |              |                                   |                      |            |

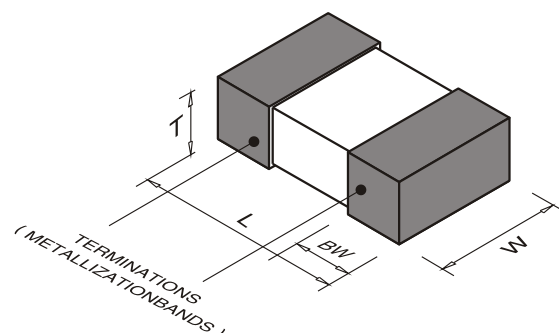
Note: 1. K =  $\pm 10\%$ , M =  $\pm 20\%$

### TECHNICAL INFORMATION

- Testing: Impedance vs. Frequency: HP 4195A
- Solderability: 90% of the terminal electrode shall be covered  
Preheat: @  $260^\circ\text{C} \pm 5^\circ\text{C}$  for 60 seconds  
Flux: Rosin, Dip for 10 seconds  $\pm 1$  second
- Thermal Shock: Impedance shall be within  $\pm 20\%$  of initial value when temperature is  $-25^\circ\text{C}$  and  $+85^\circ\text{C}$  for 30 minutes for each 50 cycles
- Operating Temperature:  $-25^\circ\text{C}$  to  $+85^\circ\text{C}$
- Storage Temperature:  $-25^\circ\text{C}$  to  $+85^\circ\text{C}$

### PHYSICAL CHARACTERISTICS

(Refer to Size Chart Page 4)



Note: All specifications subject to change without notice.