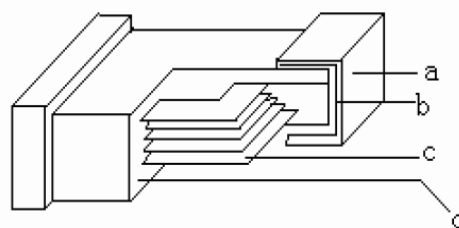
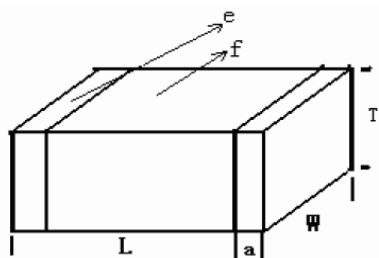


# SPECIFICATION FOR APPROVAL

|          |           |             |           |
|----------|-----------|-------------|-----------|
| CUSTOMER |           | CUST P/N.   |           |
| ITEM     | Chip Bead | Description |           |
| Part No. | CB系列      | DATE        | 2020.11.1 |

Dimension & Inner-configuration: 单位:mm (inch)



- a. 端电极 Terminal electrode
- b. 镀层 Ni/Sn plating
- c. 内电极 Inner electrode
- d. 瓷体 Body
- e. 端电极 Terminal electrode
- f. 瓷体 ferrite or ceramic

| Size    | L        | W        | T        | a        |
|---------|----------|----------|----------|----------|
| 100505N | 1.0±0.15 | 0.5±0.15 | 0.5±0.15 | 0.25±0.1 |
| 160808N | 1.6±0.2  | 0.8±0.2  | 0.8±0.2  | 0.3±0.2  |
| 201209N | 2.0±0.2  | 1.2±0.2  | 0.9±0.2  | 0.5±0.3  |

## Product Spec. Model

CBG 160808 N- 120

阻值 Impedance:  $12 \times 10^1 = 120 \Omega$

Pb-free

尺寸 Dimensions: (L×W×T) (1.6×0.8×0.8mm)

产品类型 Product symbol:

CBG: 普通型磁珠 normal beads

CBW: 大电流磁珠 Power beads

CBM: 超大电流磁珠 Ultra-high Current beads

STORAGE TEMPERATURE RANGE-40 ~+125

OPERATING TEMPERATURE RANGE-40 ~+125

## MINGSTAR ELECTRONIC CORP.

## GRAPH

|                  |  |                     |                             |  |                   |           |            |
|------------------|--|---------------------|-----------------------------|--|-------------------|-----------|------------|
| <b>CUSTOMER:</b> |  | <b>Part No.</b>     | <b>CBM100505</b>            |  | <b>Test Q'ty:</b> |           | <b>PCS</b> |
| <b>CUST P/N.</b> |  | <b>Description:</b> | Superhigh current Chip Bead |  | <b>Date:</b>      | 2020.11.1 |            |

| 客戶P/N | Item           | Impedance |         | DC<br>Recistance | IDC     | Test<br>Frequency<br>(MHz/V) |
|-------|----------------|-----------|---------|------------------|---------|------------------------------|
|       |                | Ω         | Tol(公差) | Ω(Max)           | mA(Max) |                              |
|       | CBM100505N-070 | 7.0       | 0~11Ω   | 0.02             | 2000    | 100MHz/50mV                  |
|       | CBM100505N-090 | 9.0       | 5~13Ω   | 0.02             | 2000    | 100MHz/50mV                  |
|       | CBM100505N-110 | 11.0      | 7~15Ω   | 0.02             | 2000    | 100MHz/50mV                  |
|       | CBM100505N-150 | 15.0      | 9~21Ω   | 0.02             | 2000    | 100MHz/50mV                  |
|       | CBM100505N-190 | 19.0      | 12~25Ω  | 0.035            | 1700    | 100MHz/50mV                  |
|       | CBM100505N-260 | 26.0      | ±25%    | 0.06             | 1500    | 100MHz/50mV                  |
|       | CBM100505N-300 | 30.0      | ±25%    | 0.06             | 1500    | 100MHz/50mV                  |
|       | CBM100505N-600 | 60.0      | ±25%    | 0.10             | 1300    | 100MHz/50mV                  |
|       | CBM100505N-101 | 100.0     | ±25%    | 0.15             | 1000    | 100MHz/50mV                  |
|       | CBM100505N-121 | 120.0     | ±25%    | 0.15             | 1000    | 100MHz/50mV                  |
|       | CBM100505N-151 | 150.0     | ±25%    | 0.20             | 700     | 100MHz/50mV                  |
|       | CBM100505N-201 | 200.0     | ±25%    | 0.25             | 700     | 100MHz/50mV                  |
|       | CBM100505N-221 | 220.0     | ±25%    | 0.28             | 700     | 100MHz/50mV                  |
|       | CBM100505N-301 | 300.0     | ±25%    | 0.30             | 600     | 100MHz/50mV                  |
|       | CBM100505N-501 | 500.0     | ±25%    | 0.40             | 500     | 100MHz/50mV                  |
|       | CBM100505N-601 | 600.0     | ±25%    | 0.50             | 500     | 100MHz/50mV                  |
|       | CBM100505N-801 | 800.0     | ±25%    | 0.65             | 300     | 100MHz/50mV                  |
|       | CBM100505N-102 | 1000.0    | ±25%    | 0.65             | 300     | 100MHz/50mV                  |

|  |                 |                |                 |
|--|-----------------|----------------|-----------------|
|  | <b>APPROVED</b> | <b>CHECKED</b> | <b>DRAWN BY</b> |
|  |                 |                |                 |

**MINGSTAR ELECTRONIC CORP.**

## GRAPH

|                  |  |                     |                             |  |                   |           |            |
|------------------|--|---------------------|-----------------------------|--|-------------------|-----------|------------|
| <b>CUSTOMER:</b> |  | <b>Part No.</b>     | <b>CBM160808</b>            |  | <b>Test Q'ty:</b> |           | <b>PCS</b> |
| <b>CUST P/N.</b> |  | <b>Description:</b> | Superhigh current Chip Bead |  | <b>Date:</b>      | 2020.11.1 |            |

| 客戶P/N | Item           | Impedance |         | DC<br>Recistance | IDC     | Test<br>Frequency<br>(MHz/V) |
|-------|----------------|-----------|---------|------------------|---------|------------------------------|
|       |                | Ω         | Tol(公差) | Ω(Max)           | mA(Max) |                              |
|       | CBM160808N-070 | 7.0       | 0~11Ω   | 0.01             | 6000    | 100MHz/50mV                  |
|       | CBM160808N-090 | 9.0       | 5~13Ω   | 0.01             | 6000    | 100MHz/50mV                  |
|       | CBM160808N-110 | 11.0      | 7~15Ω   | 0.01             | 6000    | 100MHz/50mV                  |
|       | CBM160808N-150 | 15.0      | 9~21Ω   | 0.01             | 6000    | 100MHz/50mV                  |
|       | CBM160808N-190 | 19.0      | 12~25Ω  | 0.01             | 6000    | 100MHz/50mV                  |
|       | CBM160808N-260 | 26.0      | ±25%    | 0.03             | 5000    | 100MHz/50mV                  |
|       | CBM160808N-300 | 30.0      | ±25%    | 0.03             | 4000    | 100MHz/50mV                  |
|       | CBM160808N-500 | 50.0      | ±25%    | 0.04             | 3000    | 100MHz/50mV                  |
|       | CBM160808N-600 | 60.0      | ±25%    | 0.04             | 3000    | 100MHz/50mV                  |
|       | CBM160808N-700 | 70.0      | ±25%    | 0.06             | 2500    | 100MHz/50mV                  |
|       | CBM160808N-750 | 75.0      | ±25%    | 0.06             | 2500    | 100MHz/50mV                  |
|       | CBM160808N-800 | 80.0      | ±25%    | 0.06             | 2500    | 100MHz/50mV                  |
|       | CBM160808N-101 | 100.0     | ±25%    | 0.06             | 2500    | 100MHz/50mV                  |
|       | CBM160808N-121 | 120.0     | ±25%    | 0.065            | 2000    | 100MHz/50mV                  |
|       | CBM160808N-151 | 150.0     | ±25%    | 0.07             | 1500    | 100MHz/50mV                  |
|       | CBM160808N-181 | 180.0     | ±25%    | 0.09             | 1500    | 100MHz/50mV                  |
|       | CBM160808N-221 | 220.0     | ±25%    | 0.12             | 1500    | 100MHz/50mV                  |
|       | CBM160808N-301 | 300.0     | ±25%    | 0.15             | 1500    | 100MHz/50mV                  |
|       | CBM160808N-331 | 330.0     | ±25%    | 0.18             | 1300    | 100MHz/50mV                  |
|       | CBM160808N-501 | 500.0     | ±25%    | 0.18             | 1300    | 100MHz/50mV                  |
|       | CBM160808N-601 | 600.0     | ±25%    | 0.18             | 1300    | 100MHz/50mV                  |
|       | CBM160808N-801 | 800.0     | ±25%    | 0.30             | 800     | 100MHz/50mV                  |
|       | CBM160808N-102 | 1000.0    | ±25%    | 0.35             | 700     | 100MHz/50mV                  |

|  |                 |                |                 |
|--|-----------------|----------------|-----------------|
|  | <b>APPROVED</b> | <b>CHECKED</b> | <b>DRAWN BY</b> |
|  |                 |                |                 |

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## GRAPH

|           |  |              |                             |            |           |     |
|-----------|--|--------------|-----------------------------|------------|-----------|-----|
| CUSTOMER: |  | Part No.     | CBM201209                   | Test Q'ty: |           | PCS |
| CUST P/N. |  | Description: | Superhigh current Chip Bead | Date:      | 2020.11.1 |     |

| 客戶P/N | Item           | Impedance |         | DC Recistance | IDC     | Test Frequency (MHz/V) |
|-------|----------------|-----------|---------|---------------|---------|------------------------|
|       |                | Ω         | Tol(公差) | Ω(Max)        | mA(Max) |                        |
|       | CBM201209N-070 | 7.0       | 0~11Ω   | 0.01          | 6000    | 100MHz/50mV            |
|       | CBM201209N-090 | 9.0       | 5~13Ω   | 0.01          | 6000    | 100MHz/50mV            |
|       | CBM201209N-110 | 11.0      | 7~15Ω   | 0.01          | 6000    | 100MHz/50mV            |
|       | CBM201209N-150 | 15.0      | 9~21Ω   | 0.01          | 6000    | 100MHz/50mV            |
|       | CBM201209N-190 | 19.0      | 12~25Ω  | 0.01          | 6000    | 100MHz/50mV            |
|       | CBM201209N-300 | 30.0      | ±25%    | 0.01          | 6000    | 100MHz/50mV            |
|       | CBM201209N-500 | 50.0      | ±25%    | 0.03          | 4000    | 100MHz/50mV            |
|       | CBM201209N-600 | 60.0      | ±25%    | 0.03          | 4000    | 100MHz/50mV            |
|       | CBM201209N-700 | 70.0      | ±25%    | 0.04          | 4000    | 100MHz/50mV            |
|       | CBM201209N-800 | 80.0      | ±25%    | 0.04          | 4000    | 100MHz/50mV            |
|       | CBM201209N-101 | 100.0     | ±25%    | 0.045         | 4000    | 100MHz/50mV            |
|       | CBM201209N-121 | 120.0     | ±25%    | 0.045         | 4000    | 100MHz/50mV            |
|       | CBM201209N-151 | 150.0     | ±25%    | 0.07          | 3000    | 100MHz/50mV            |
|       | CBM201209N-181 | 180.0     | ±25%    | 0.07          | 3000    | 100MHz/50mV            |
|       | CBM201209N-221 | 220.0     | ±25%    | 0.07          | 3000    | 100MHz/50mV            |
|       | CBM201209N-301 | 300.0     | ±25%    | 0.08          | 2500    | 100MHz/50mV            |
|       | CBM201209N-501 | 500.0     | ±25%    | 0.09          | 2500    | 100MHz/50mV            |
|       | CBM201209N-601 | 600.0     | ±25%    | 0.10          | 2000    | 100MHz/50mV            |
|       | CBM201209N-102 | 1000.0    | ±25%    | 0.12          | 1500    | 100MHz/50mV            |

|  |          |         |          |
|--|----------|---------|----------|
|  | APPROVED | CHECKED | DRAWN BY |
|  |          |         |          |

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