

ABCO Bead COMPONENTS

AEC-Q200

EDMC160808-APY Series



5448-4, Sangdaewon-dong, Jungwon-gu,
Seongnam-si, Gyeonggi-do, KOREA

Sales Dept. TEL:82-31-730-5082

FAX:82-31-730-5152

Eng. Dept. TEL:82-31-730-5034

FAX:82-31-730-5132

ABCO ELECTRONICS CO., LTD.

■ Features

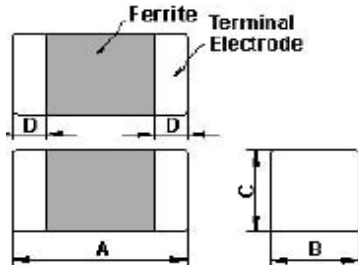
1. This specification applies to Multilayer Chip ferrite Bead for Automotive Electronics based on AEC-Q200 except for Power train and Safety.
2. Operating temperature -55°C ~ +125°C. (Including self - temperature rise)

■ Ordering Code

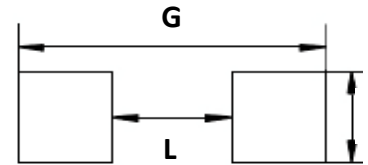
| | | | | | | | | |
|-------------|---------------|----------|---|------------|---|----------|---|------------|
| EDMC | 160808 | T | - | 100 | - | Y | - | APY |
| ① | ② | ③ | | ④ | | ⑤ | | ⑥ |

| | | | | | | | | |
|--|-----------------------------------|---|-----|--------|-----|------|----------|-----|
| ① Type | ② Dimensions(mm) | ③ Packing | | | | | | |
| EDMC | 160808 : 1.6(L) × 0.8(W) × 0.8(T) | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; text-align: center; padding: 5px;">T</td> <td style="text-align: center; padding: 5px;">TAPING</td> </tr> </table> | T | TAPING | | | | |
| T | TAPING | | | | | | | |
| ④ Impedance(Ω) | ⑤ Tolerance | ⑥ Internal Code | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; text-align: center; padding: 5px;">100</td> <td style="text-align: center; padding: 5px;">10</td> </tr> <tr> <td style="border-right: 1px solid black; text-align: center; padding: 5px;">121</td> <td style="text-align: center; padding: 5px;">120</td> </tr> <tr> <td style="border-right: 1px solid black; text-align: center; padding: 5px;">102</td> <td style="text-align: center; padding: 5px;">1000</td> </tr> </table> | 100 | 10 | 121 | 120 | 102 | 1000 | Y : ±25% | APY |
| 100 | 10 | | | | | | | |
| 121 | 120 | | | | | | | |
| 102 | 1000 | | | | | | | |

Shapes and Dimensions



Recommended PC Board Pattern



| Series | A(mm) | B(mm) | C(mm) | D(mm) |
|----------------|----------|----------|----------|---------|
| EDMC160808-APY | 1.6±0.15 | 0.8±0.15 | 0.8±0.15 | 0.3±0.2 |

| L(mm) | G(mm) | H(mm) |
|---------|---------|---------|
| 0.7~0.8 | 1.8~2.0 | 0.6~0.8 |

Electrical Characteristics

| Part Number | Impedance ($\Omega \pm 25\%$) | Test Frequency | RDC(Ω) Max. | Rated Current(mA) |
|----------------------|------------------------------------|----------------|-------------------------|------------------------------------|
| | | | | $\Delta T = 30^\circ\text{C}$ Max. |
| EDMC160808T-100Y-APY | 10 | 100MHz, 200mV | 0.02 | 4000 |
| EDMC160808T-300Y-APY | 30 | 100MHz, 200mV | 0.03 | 3000 |
| EDMC160808T-600Y-APY | 60 | 100MHz, 200mV | 0.04 | 3000 |
| EDMC160808T-800Y-APY | 80 | 100MHz, 200mV | 0.05 | 2500 |
| EDMC160808T-121Y-APY | 120 | 100MHz, 200mV | 0.08 | 2500 |
| EDMC160808T-181Y-APY | 180 | 100MHz, 200mV | 0.09 | 2000 |
| EDMC160808T-221Y-APY | 220 | 100MHz, 200mV | 0.10 | 2000 |
| EDMC160808T-301Y-APY | 300 | 100MHz, 200mV | 0.12 | 1500 |
| EDMC160808T-471Y-APY | 470 | 100MHz, 200mV | 0.15 | 1500 |
| EDMC160808T-601Y-APY | 600 | 100MHz, 200mV | 0.20 | 1000 |
| EDMC160808T-102Y-APY | 1000 | 100MHz, 200mV | 0.25 | 800 |

1. Testing Instrument

- Impedance : HP4291A
- RDC :HP4338B or CHEN HWA 502

2. Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C

■ Graph

