

ABCO Bead COMPONENTS

EDMC100505-SY Series



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ABCO ELECTRONICS CO., LTD.

EDMC100505-SY Series



<http://www.abco.co.kr>

▣ Features

1. This specification applies to MULTILAYER FERRITE CHIP BEADS
2. Operating temperature -55°C ~ +125°C. (Including self - temperature rise)

▣ Ordering Code

| | | | | | | | |
|-------------|---------------|----------|----------|------------|----------|----------|-----------|
| EDMC | 100505 | T | - | 100 | Y | - | SY |
| ① | ② | ③ | | ④ | ⑤ | | ⑥ |

| | |
|--------|--|
| ① Type | |
| EDMC | |

| |
|-----------------------------------|
| ② Dimensions(mm) |
| 100505 : 1.5(L) × 0.5(W) × 0.5(T) |

| | |
|-----------|--------|
| ③ Packing | |
| T | TAPING |

| | |
|----------------|------|
| ④ Impedance(Ω) | |
| 100 | 10 |
| 121 | 120 |
| 102 | 1000 |

| |
|-------------|
| ⑤ Tolerance |
| Y : ±25% |

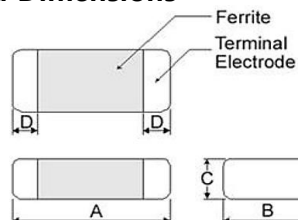
| |
|-----------------|
| ⑥ Internal Code |
| SY |

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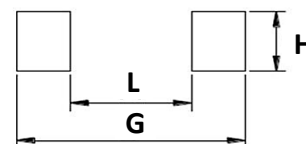


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Shapes and Dimensions



Recommended PC Board Pattern



| Series | A(mm) | B(mm) | C(mm) | D(mm) |
|---------------|---------|---------|---------|----------|
| EDMC100505-SY | 1.0±0.1 | 0.5±0.1 | 0.5±0.1 | 0.25±0.1 |

| L(mm) | G(mm) | H(mm) |
|-------|---------|-------|
| 0.4 | 1.2~1.4 | 0.5 |

Electrical Characteristics

| Part Number | Impedance ($\Omega \pm 25\%$) | Test Frequency (MHz) | RDC (Ω) Max. | Rated Current(mA) |
|---------------------|------------------------------------|-------------------------|-----------------------------|------------------------------------|
| | | | | $\Delta T = 30^\circ\text{C}$ Max. |
| EDMC100505T-100Y-SY | 10 | 100 | 0.025 | 1000 |
| EDMC100505T-110Y-SY | 11 | 100 | 0.05 | 500 |
| EDMC100505T-150Y-SY | 15 | 100 | 0.10 | 500 |
| EDMC100505T-190Y-SY | 19 | 100 | 0.10 | 500 |
| EDMC100505T-220Y-SY | 22 | 100 | 0.15 | 500 |
| EDMC100505T-300Y-SY | 30 | 100 | 0.20 | 500 |
| EDMC100505T-320Y-SY | 32 | 100 | 0.20 | 500 |
| EDMC100505T-330Y-SY | 33 | 100 | 0.20 | 500 |
| EDMC100505T-400Y-SY | 40 | 100 | 0.20 | 500 |
| EDMC100505T-470Y-SY | 47 | 100 | 0.20 | 500 |
| EDMC100505T-500Y-SY | 50 | 100 | 0.20 | 500 |
| EDMC100505T-600Y-SY | 60 | 100 | 0.20 | 500 |
| EDMC100505T-700Y-SY | 70 | 100 | 0.15 | 600 |
| EDMC100505T-750Y-SY | 75 | 100 | 0.20 | 500 |
| EDMC100505T-800Y-SY | 80 | 100 | 0.20 | 500 |
| EDMC100505T-900Y-SY | 90 | 100 | 0.25 | 500 |
| EDMC100505T-101Y-SY | 100 | 100 | 0.25 | 500 |
| EDMC100505T-121Y-SY | 120 | 100 | 0.19 | 550 |
| EDMC100505T-151Y-SY | 150 | 100 | 0.40 | 400 |
| EDMC100505T-181Y-SY | 180 | 100 | 0.40 | 400 |
| EDMC100505T-221Y-SY | 220 | 100 | 0.29 | 450 |
| EDMC100505T-241Y-SY | 240 | 100 | 0.40 | 400 |
| EDMC100505T-301Y-SY | 300 | 100 | 0.50 | 300 |
| EDMC100505T-331Y-SY | 330 | 100 | 0.50 | 300 |
| EDMC100505T-471Y-SY | 470 | 100 | 0.50 | 300 |
| EDMC100505T-481Y-SY | 480 | 100 | 0.50 | 300 |
| EDMC100505T-601Y-SY | 600 | 100 | 0.52 | 300 |
| EDMC100505T-102Y-SY | 1000 | 100 | 0.65 | 300 |
| EDMC100505T-182Y-SY | 1800 | 100 | 1.40 | 100 |
| EDMC100505T-222Y-SY | 2200 | 100 | 1.40 | 100 |

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

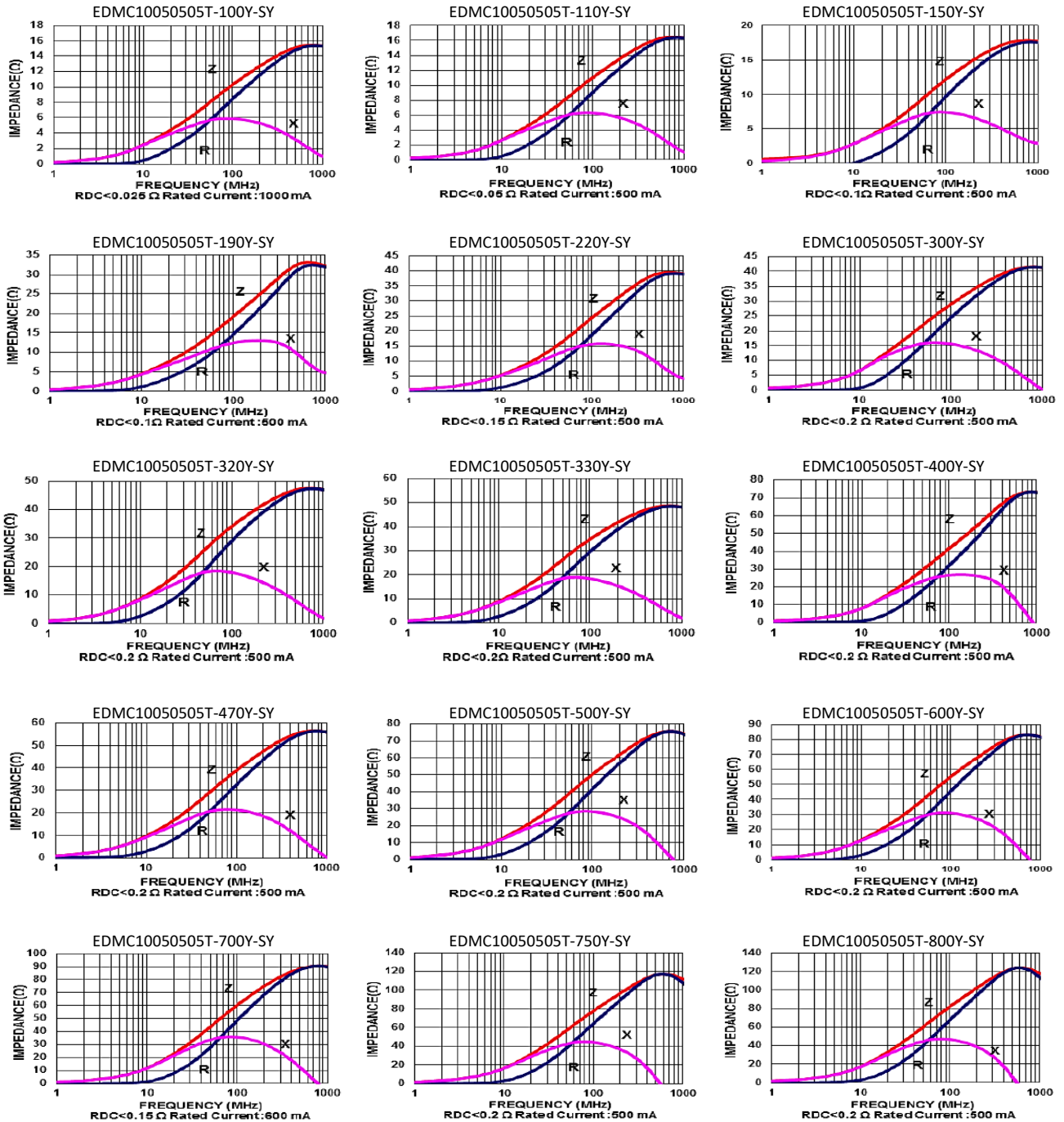
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Graph



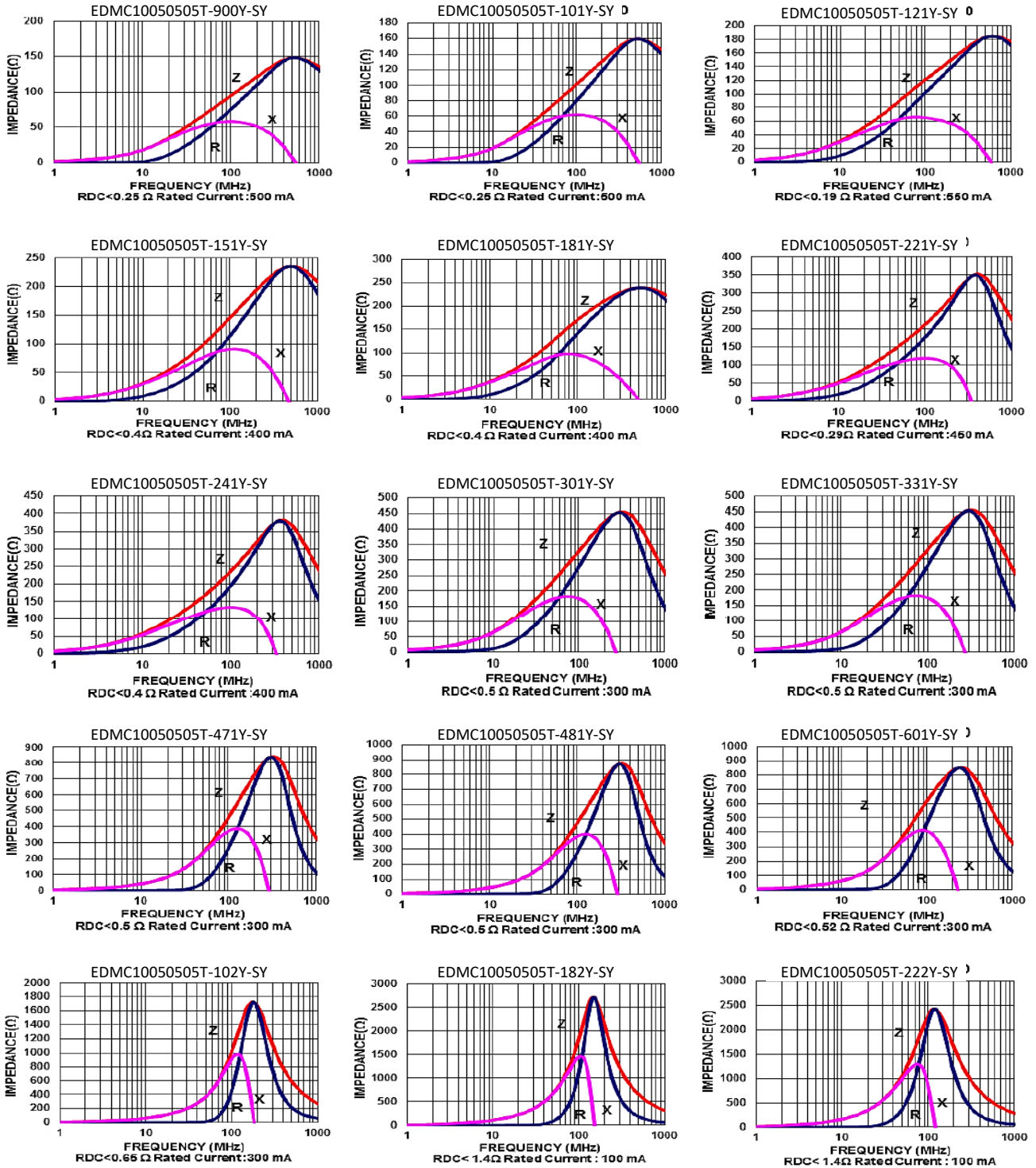
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