

SPECIFICATION OF FBM□-__ _ _A□□ SERIES

APPLICATIONS

1. EMI suppression for various electric equipment by the addition of impedance to the circuit.
2. It is particularly effective with unstable grounding.
3. High frequency EMI prevention of computers , printers , VCRs , TVs and portable telephone.
4. The FBM□-A□□ series can be used in high current circuits due to its low DC resistance.
It can match power line to a maximum of 10A DC.



ORDERING CODE

FBM□ - 11 - 100505 - 121 A□□ R T
(1) (2) (3) (4) (5) (6)(7)

(1) PRODUCT TYPE CODE

FBM : Ferrite Bead Multilayer

□: RoHS Code

(2) DESIGN CODE

Type : 11,10,09,15,HA,L11,L10

(3) SIZE CODE

See Following Table

(4) IMPEDANCE VALUE CODE

Example : 121=120Ω , 280=28Ω

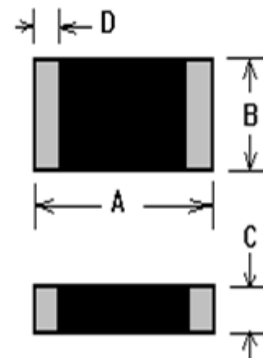
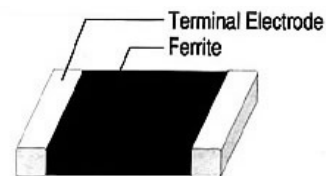
(5) A□□ MEANS HIGH CURRENT RATING

Example : A10 means 1000mA

A08 means 800mA

(6) R : SPECIAL DCR CODE

(7) TAPING



SHAPE & DIMENSIONS

UNIT:mm (inch)

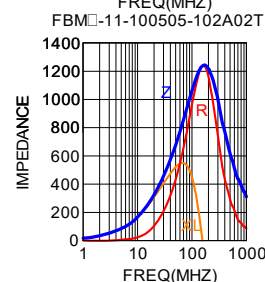
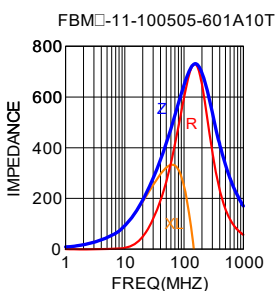
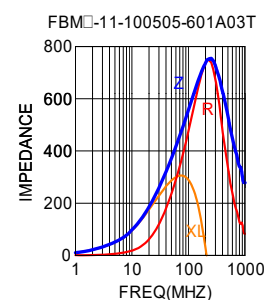
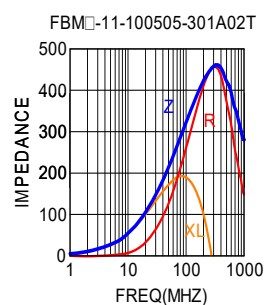
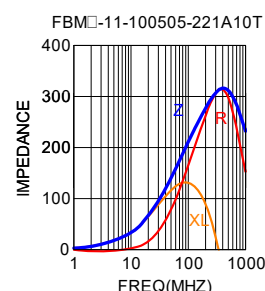
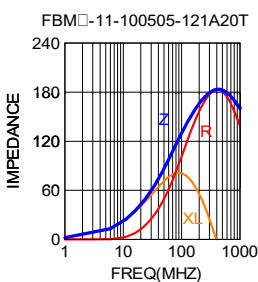
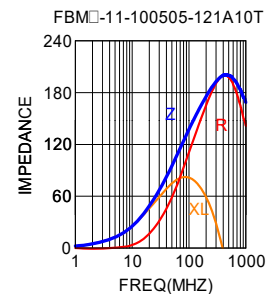
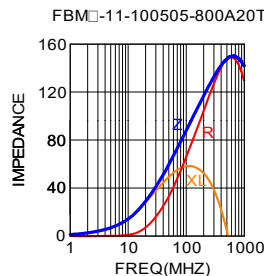
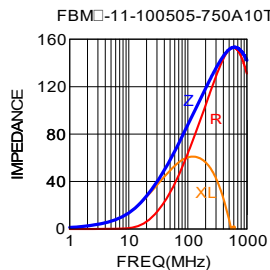
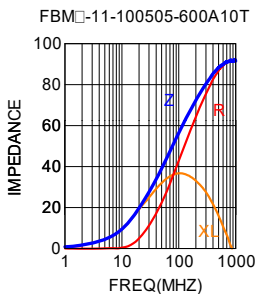
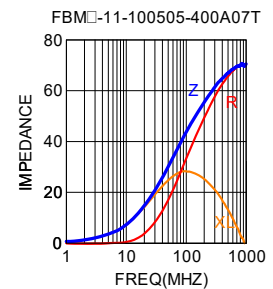
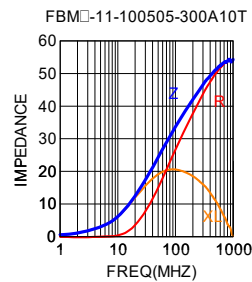
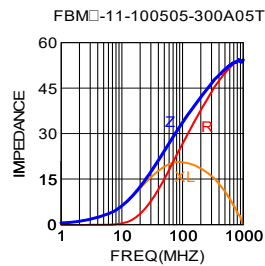
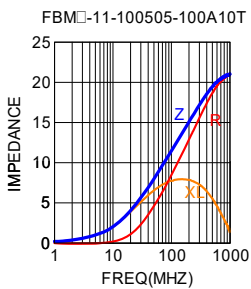
| SIZE CODE | A | B | C | D |
|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| FBM□-11-100505 (0402) | 1.00±0.10 (0.040±0.004) | 0.50±0.10 (0.020±0.004) | 0.50±0.10 (0.020±0.004) | 0.25±0.10 (0.010±0.004) |
| FBM□-11-160808 (0603) | 1.60±0.20 (0.063±0.008) | 0.80±0.20 (0.031±0.008) | 0.80±0.20 (0.031±0.008) | 0.30±0.20 (0.012±0.008) |
| FBM□-11-201209 (0805) | 2.00±0.20 (0.079±0.008) | 1.20±0.20 (0.047±0.008) | 0.90±0.20 (0.035±0.008) | 0.50±0.30 (0.020±0.012) |
| FBM□-11-321611 (1206) | 3.20±0.20 (0.126±0.008) | 1.60±0.20 (0.063±0.008) | 1.10±0.20 (0.043±0.008) | 0.50±0.30 (0.020±0.012) |
| FBM□-11-322513 (1210) | 3.20±0.20 (0.126±0.008) | 2.50±0.20 (0.098±0.008) | 1.30±0.20 (0.051±0.008) | 0.50±0.30 (0.020±0.012) |
| FBM□-11-451616 (1806) | 4.50±0.20 (0.177±0.008) | 1.60±0.20 (0.063±0.008) | 1.60±0.20 (0.063±0.008) | 0.50±0.30 (0.020±0.012) |
| FBM□-11-453215 (1812) | 4.50±0.20 (0.177±0.008) | 3.20±0.20 (0.126±0.008) | 1.50±0.20 (0.059±0.008) | 0.50±0.30 (0.020±0.012) |

※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.

MULTILAYER CHIP BEADS → FBM□-11-100505 : High Current Standard Type

ELECTRICAL CHARACTERISTICS

| ORDERING CODE | Impedance (Ω) | Test Frequency (MHz) | DC Resistance (Ω)max | IDC (mA)max |
|------------------------|---------------|----------------------|----------------------|-------------|
| FBM□-11-100505-100A10T | 10±25% | 100 | 0.200 | 1000 |
| FBM□-11-100505-300A05T | 30±25% | 100 | 0.300 | 500 |
| FBM□-11-100505-300A10T | 30±25% | 100 | 0.200 | 1000 |
| FBM□-11-100505-400A07T | 40±25% | 100 | 0.200 | 700 |
| FBM□-11-100505-600A10T | 60±25% | 100 | 0.200 | 1000 |
| FBM□-11-100505-750A10T | 75±25% | 100 | 0.200 | 1000 |
| FBM□-11-100505-800A20T | 80±25% | 100 | 0.100 | 2000 |
| FBM□-11-100505-121A10T | 120±25% | 100 | 0.200 | 1000 |
| FBM□-11-100505-121A20T | 120±25% | 100 | 0.100 | 2000 |
| FBM□-11-100505-221A10T | 220±25% | 100 | 0.200 | 1000 |
| FBM□-11-100505-301A02T | 300±25% | 100 | 0.600 | 200 |
| FBM□-11-100505-601A03T | 600±25% | 100 | 0.500 | 300 |
| FBM□-11-100505-601A10T | 600±25% | 100 | 0.500 | 1000 |
| FBM□-11-100505-102A02T | 1000±25% | 100 | 0.800 | 200 |



※IDC: Based on Temperature increase 40°C

※Operating temperature range : -55 to +125°C (including self-heating)

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