

ABCO Bead COMPONENTS

AEC-Q200

EDMC100505-ASJ Series



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ABCO ELECTRONICS CO., LTD.

■ Features

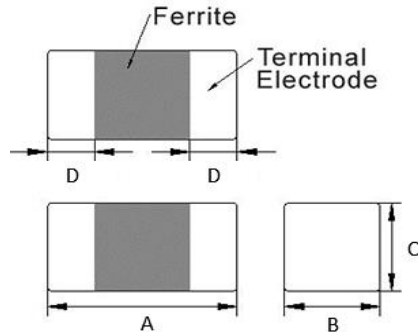
1. This specification applies to Multilayer Chip ferrite Bead for Automotive Electronics based on AEC-Q200 except for Power train and Safety.
2. Operating temperature -55°C ~ +125°C. (Including self - temperature rise)

■ Ordering Code

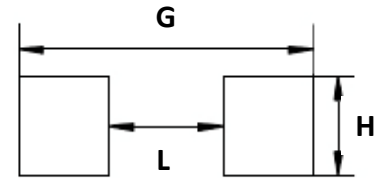
EDMC	100505	T	-	300	Y	-	ASJ
①	②	③		④	⑤		⑥

① Type	② Dimensions(mm)	③ Packing						
EDMC	100505 : 1.0(L) × 0.5(W) × 0.5(T)	T TAPING						
④ Impedance(Ω)	⑤ Tolerance	⑥ Internal Code						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; text-align: center;">300</td> <td style="width: 50%; text-align: center;">30</td> </tr> <tr> <td style="border-right: 1px solid black; text-align: center;">121</td> <td style="text-align: center;">120</td> </tr> <tr> <td style="border-right: 1px solid black; text-align: center;">102</td> <td style="text-align: center;">1000</td> </tr> </table>	300	30	121	120	102	1000	Y : ±25%	ASJ
300	30							
121	120							
102	1000							

Shapes and Dimensions



Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D(mm)
EDMC100505-ASJ	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 Freq.	RDC(Ω) Max.	Rated Current(mA)
				$\Delta T = 30^\circ\text{C}$ Max.
EDMC100505T-300Y-ASJ	30	100MHz, 200mV	0.20	500
EDMC100505T-600Y-ASJ	60	100MHz, 200mV	0.20	500
EDMC100505T-121Y-ASJ	120	100MHz, 200mV	0.25	500
EDMC100505T-221Y-ASJ	220	100MHz, 200mV	0.40	400
EDMC100505T-301Y-ASJ	300	100MHz, 200mV	0.50	300
EDMC100505T-481Y-ASJ	480	100MHz, 200mV	0.50	300
EDMC100505T-601Y-ASJ	600	100MHz, 200mV	0.60	300
EDMC100505T-102Y-ASJ	1000	100MHz, 200mV	0.95	200
EDMC100505T-152Y-ASJ	1500	100MHz, 200mV	1.15	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

■ Graph

