

ABCO Bead COMPONENTS

AEC-Q200

EDMC100505-AUP Series



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ABCO ELECTRONICS CO., LTD.

■ Features

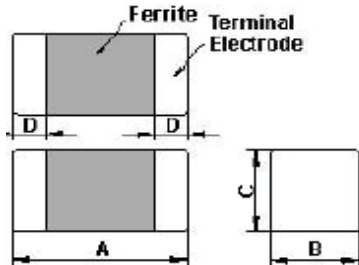
1. This specification applies to Multilayer Chip ferrite Bead for Automotive Electronics based on AEC-Q200 except for Power train and Safety.
2. Operating temperature -55°C ~ +125°C. (Including self - temperature rise)

■ Ordering Code

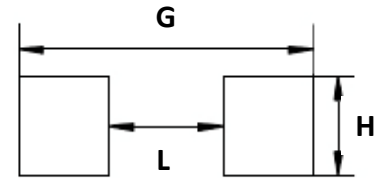
EDMC	100505	T	-	300	Y	-	AUP
①	②	③		④	⑤		⑥

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
300 30	Y : ±25%	AUP
121 120		

■ Shapes and Dimensions



■ Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D(mm)
EDMC100505-AUP	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-AUP	30	100MHz, 200mV	0.022	3000
EDMC100505T-330Y-AUP	33	100MHz, 200mV	0.022	3000
EDMC100505T-600Y-AUP	60	100MHz, 200mV	0.032	2500
EDMC100505T-800Y-AUP	80	100MHz, 200mV	0.038	2300
EDMC100505T-121Y-AUP	120	100MHz, 200mV	0.055	2000

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

