ABCO Bead COMPONENTS

AEC-Q200

EDMC100505-APY Series

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AEC-Q200

EDMC100505-APY Series

http://www.abco.co.kr

▣ 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℃ ~ +125℃. (Including self - temperature rise)

▣ Ordering Code

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

① Type
EDMC

② Dimensions(mm)
100505 : 1.0(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
APY

AEC-Q200

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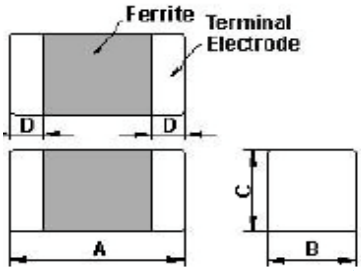
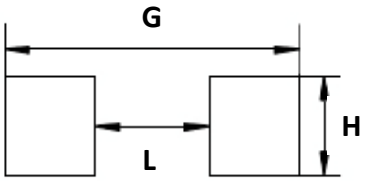
▣ Shapes and Dimensions



▣ Recommended PC Board Pattern



Series	A(mm)	B(mm)	C(mm)	D(mm)
EDMC100505-APY	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

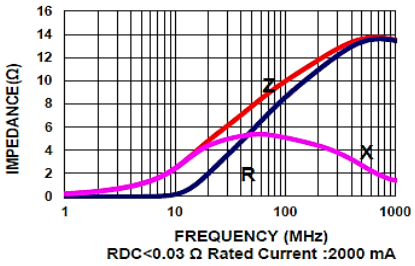
▣ Electrical Characteristics

Part Number	Impedance (Ω±25%)	Test Freq.	RDC(Ω) Max.	Rated Current(mA) ΔT=30℃ Max.
EDMC100505T-100Y-APY	10	100MHz, 200mV	0.030	2000
EDMC100505T-300Y-APY	30	100MHz, 200mV	0.050	1700
EDMC100505T-600Y-APY	60	100MHz, 200mV	0.075	1500
EDMC100505T-121Y-APY	120	100MHz, 200mV	0.090	1400
EDMC100505T-181Y-APY	180	100MHz, 200mV	0.140	900
EDMC100505T-221Y-APY	220	100MHz, 200mV	0.180	1100
EDMC100505T-601Y-APY	600	100MHz, 200mV	0.340	700
EDMC100505T-102Y-APY	1000	100MHz, 200mV	0.490	500

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℃

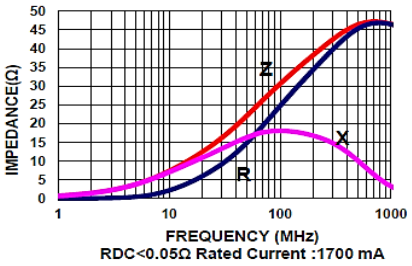
▣ Graph

EDMC100505T-100Y-APY



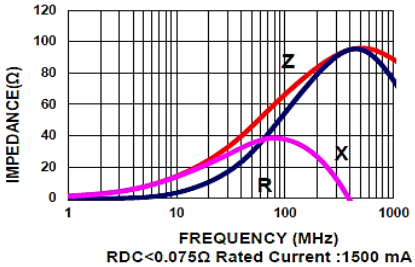
RDC<0.03 Ω Rated Current :2000 mA

EDMC100505T-300Y-APY



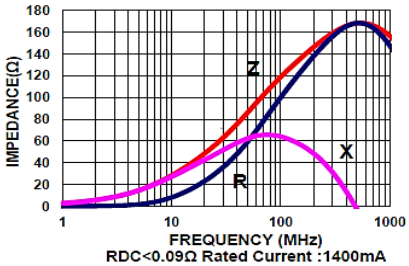
RDC<0.05Ω Rated Current :1700 mA

EDMC100505T-600Y-APY



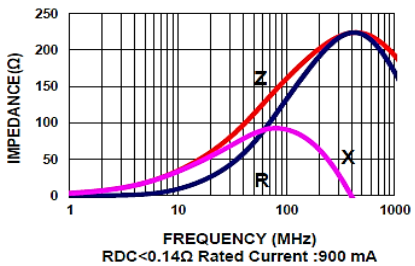
RDC<0.075Ω Rated Current :1500 mA

EDMC100505T-121Y-APY



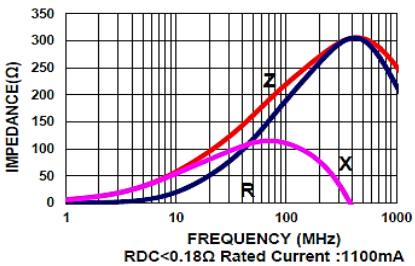
RDC<0.09Ω Rated Current :1400mA

EDMC100505T-181Y-APY



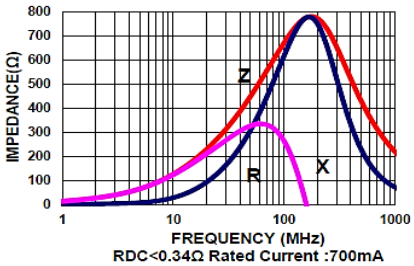
RDC<0.14Ω Rated Current :900 mA

EDMC100505T-221Y-APY



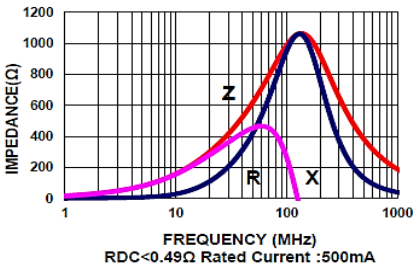
RDC<0.18Ω Rated Current :1100mA

EDMC100505T-601Y-APY



RDC<0.34Ω Rated Current :700mA

EDMC100505T-102Y-APY



RDC<0.49Ω Rated Current :500mA