



**Chip Bead AMLB NQ Series**

**Automotive  
AEC-Q200**

RoHS Compliant  
Halogen Free  
REACH Compliant



Noise  
Suppression

Shield

Multilayer

Ferrite

High speed  
Signal line

**Part Numbering**

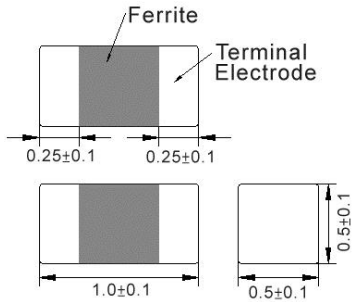
AMLB	100505	0010	Y	NQ
Series Name	Dimensions Code (mm)	Impedance (Ω)	Tolerance	Internal Code
	100505 1.0x0.5x0.5	0010 10 0120 120	Y ±25%	

This specification applies to Multilayer Chip ferrite Bead for Automotive Electronics based on AEC-Q200 except for Power train and Safety.



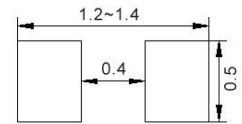
**AMLB-100505 Type**

**■ Dimensions**



unit:mm

**■ Recommended Land Pattern**



unit:mm

**■ Electrical Characteristics**

Part No.	Impedance ( $\Omega$ )	Test Freq.	RDC ( $\Omega$ )Max.	Rated Current (mA)Max.
AMLB-100505-0010Y-NQ	10	100 MHz,200 mV	0.10	500
AMLB-100505-0047Y-NQ	47	100 MHz,200 mV	0.30	400
AMLB-100505-0075Y-NQ	75	100 MHz,200 mV	0.30	400
AMLB-100505-0120Y-NQ	120	100 MHz,200 mV	0.40	350
AMLB-100505-0220Y-NQ	220	100 MHz,200 mV	0.60	200
AMLB-100505-0600Y-NQ	600	100 MHz,200 mV	1.20	200

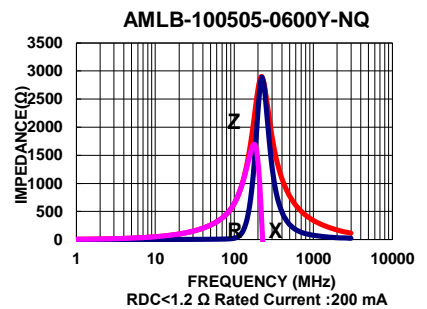
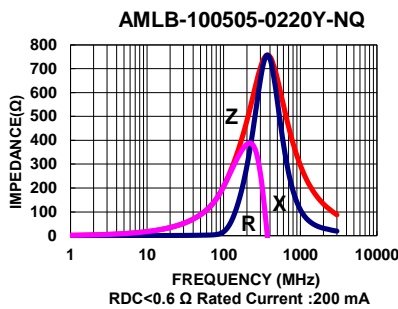
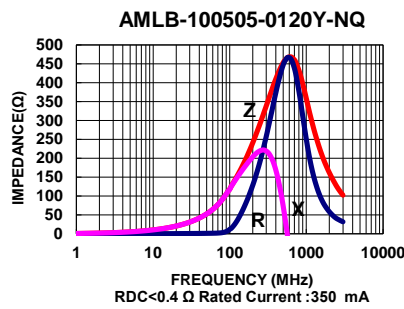
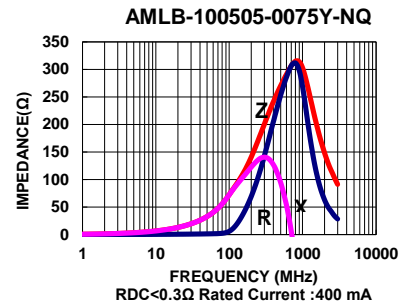
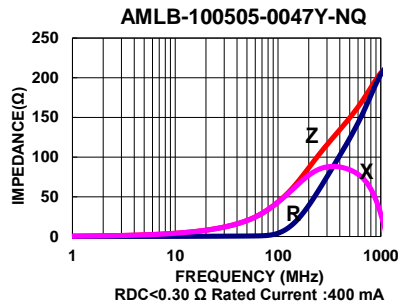
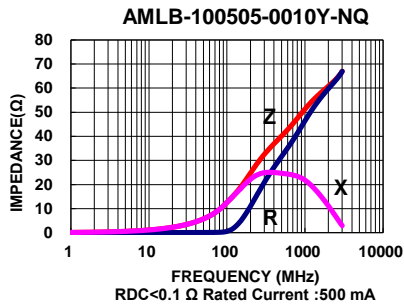
**Note: When ordering, please specify tolerance code. Tolerance: Y=±25%**

1. Operating temperature range - 40°C ~ 125°C
2. Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C
3. Measure Equipment:  
Z: HP4291A  
RDC: HP4338B or CHEN HWA 502



**AMLB-100505 Type**

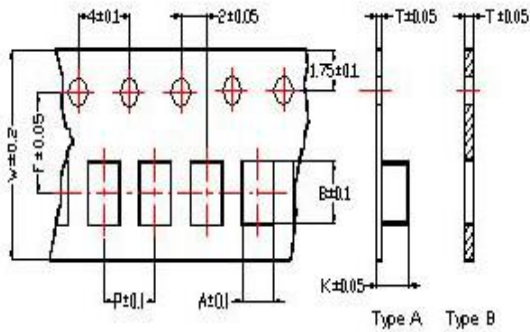
**Characteristics Graph**





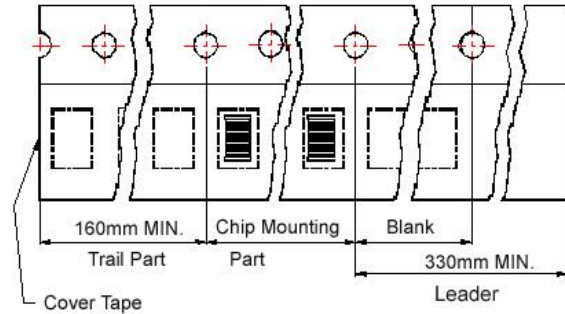
**■ Packaging**

**Tape Dimensions**

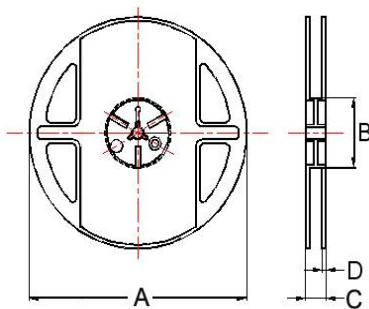


**Tape Material**

Carrier Tape: Polycarbonate (Tape A)  
Carrier Tape: Paper (Tape B)  
Cover Tape: Polystyrene



**Reel Dimensions**



**Dimensions in mm**

TYPE	Tape Dimensions								Reel Dimensions				Quantity PCS / Reel
	A	B	T	W	P	F	K	Tape	A	B	C	D	
100505	0.62	1.12	0.60	8	2	3.5	-	B	178	60	12	2	10000