



**Chip Bead AMLB FJ Series**

**Automotive  
AEC-Q200**

RoHS Compliant  
Halogen Free  
REACH Compliant



Noise  
Suppression

Shield

Multilayer

Ferrite

High speed  
Signal line

**Part Numbering**

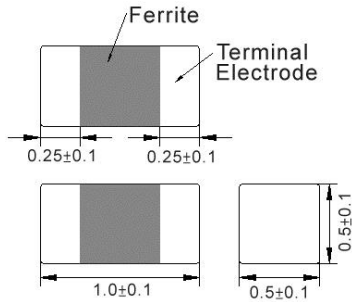
AMLB	100505	0600	Y	FJ
Series Name	Dimensions Code (mm)		Tolerance	Internal Code
	100505	1.0x0.5x0.5	Y ±25%	
		0600 600 1000 1000 1800 1800		

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



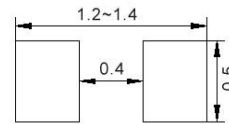
**AMLB-100505 Type**

**■ Dimensions**



unit:mm

**■ Recommended Land Pattern**



unit:mm

**■ Electrical Characteristics**

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Impedance ( $\Omega$ ) $\pm 40\%$	Test Freq. (MHz)	RDC ( $\Omega$ )Max.	Rated Current (mA)Max.
AMLB-100505-0600Y-FJ	600	1400	100/1000	0.85	300
AMLB-100505-1000Y-FJ	1000	2000	100/1000	1.25	250
AMLB-100505-1800Y-FJ	1800	2700	100/1000	2.20	200

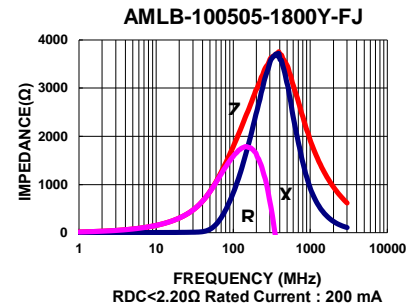
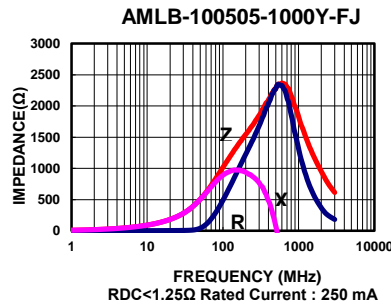
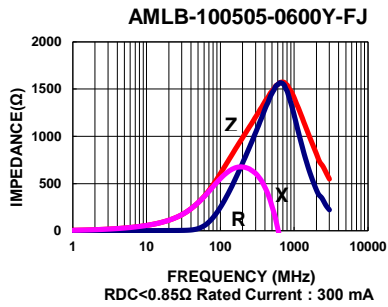
**Note: When ordering, please specify tolerance code. Tolerance: Y= $\pm 25\%$**

- Operating temperature range -  $40^\circ\text{C} \sim 125^\circ\text{C}$
- Rate Current : Applied the current to coils, the temperature rise shall not be more than  $30^\circ\text{C}$
- Measure Equipment:  
Z: HP4291A  
RDC: HP4338B or CHEN HWA 502



**AMLB-100505 Type**

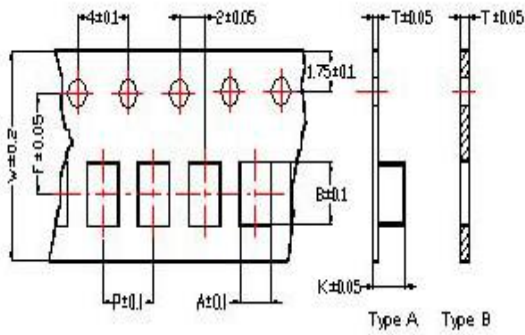
**Characteristics Graph**





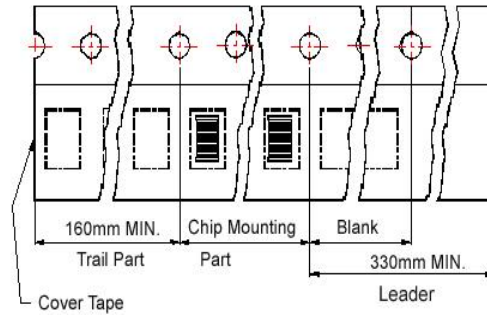
**■ Packaging**

**Tape Dimensions**

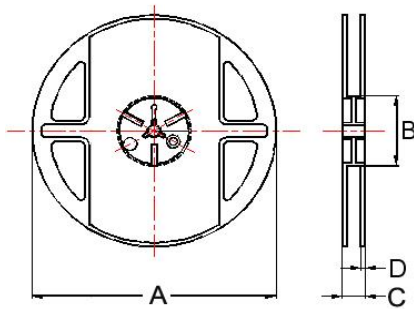


**Tape Material**

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