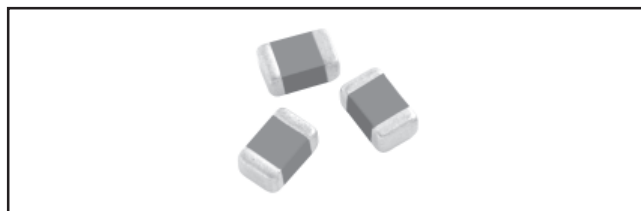


Multilayer Ferrite Beads



MECHANICAL SPECIFICATIONS*

Solderability: 90% coverage after 5 second dip in 230°C solder following 60 second preheat at 120°C and activated flux dip.

Resistance To Solder Heat: 10 seconds in 300°C solder after preheat and flux per above.

Terminal Strength: 1.6 kilograms (3.5 pounds) for 30 seconds.

Beam Strength: 1 kilogram (2.2 pounds) minimum.

STANDARD ELECTRICAL SPECIFICATIONS

Z @ 100 MHz (± 25%)	DCR Max. (Ohms)	Rated DC Current (mA)
7	0.06	300
11	0.06	600
17	0.06	600
26	0.06	600
32	0.06	600
40	0.15	300
60	0.15	300
80	0.15	300
90	0.15	300
120	0.15	300
150	0.25	300
180	0.20	200
220	0.20	200
300	0.20	200
400	0.30	200
600	0.30	200
1000	0.35	100
1500	0.40	100
2000	0.50	80
2200	0.60	80

PACKAGING OPTIONS

- Tape and Reel:
Embossed plastic carrier tape.
Per EIA481-1.
4000 pieces on a 7" [178mm] reel.

HOW TO ORDER

ILBB-0805 MODEL	11 IMPEDANCE VALUE	± 25% IMPEDANCE TOLERANCE
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FEATURES

- High reliability.
- Surface mountable.
- Magnetically self shielded.
- Nickel barrier plating virtually eliminates silver migration.

Flex: .07874" [2mm] minimum mounted on .063" [1.6mm] thick PC board.

ENVIRONMENTAL SPECIFICATIONS*

Operating Temperature: - 40°C to + 125°C.

Thermal Shock: 100 cycles, - 40°C to + 85°C.

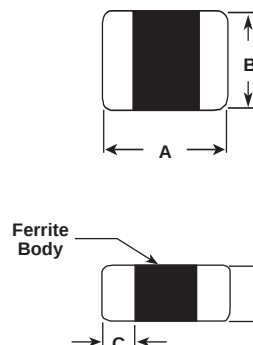
Humidity: 90% RH at 40°C, 1000 hours at full rated current.

Load Life: 85°C for 1000 hours full rated current.

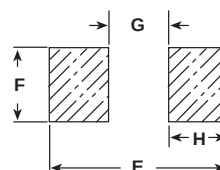
***NOTE:** Impedance will remain ± 20% of initial and no physical defects shall be observed.

DIMENSIONAL CONFIGURATIONS

Dimensional Outline



Suggested Pad Layout

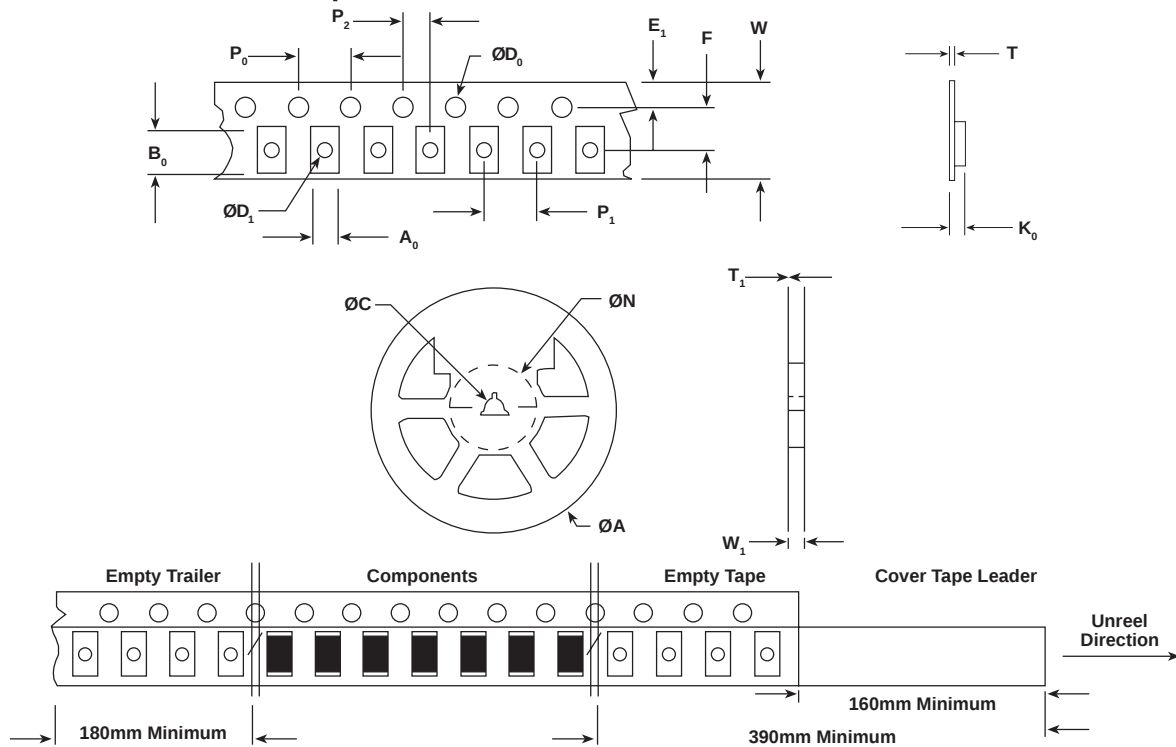


[Numbers in brackets indicate millimeters]

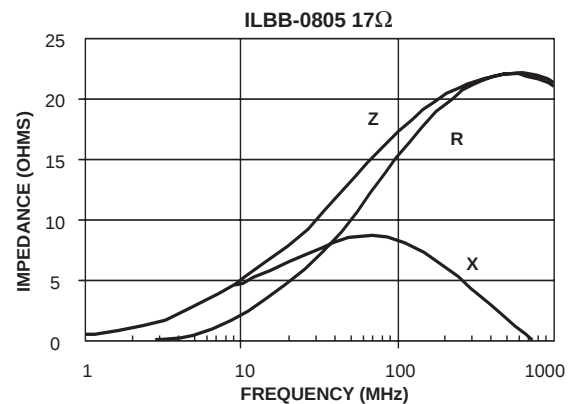
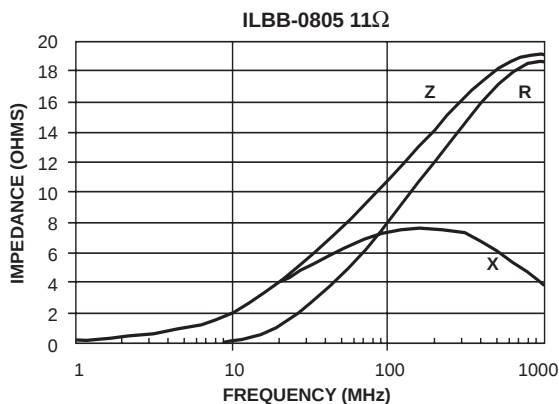
A	B	C	D	E	F	G	H
0.079 ± 0.008 [2.0 ± 0.2]	0.049 ± 0.008 [1.25 ± 0.2]	0.020 ± 0.008 [0.5 ± 0.2]	0.033 ± 0.008 [0.85 ± 0.2]	0.120 [3.0]	0.050 [1.3]	0.060 [1.0]	0.040 [1.0]

TAPE AND REEL SPECIFICATIONS 0805 SIZE PER EIA-481-1

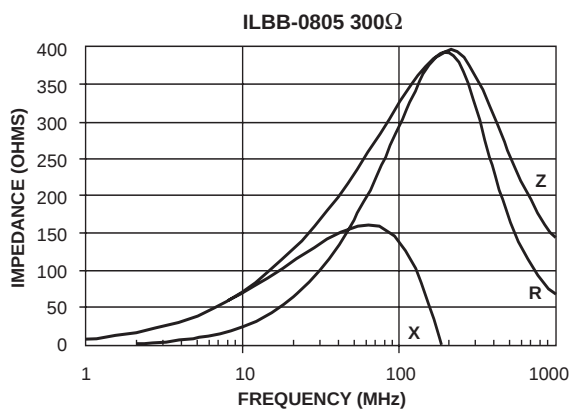
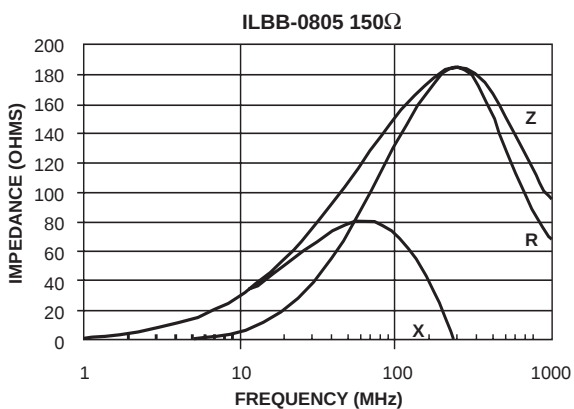
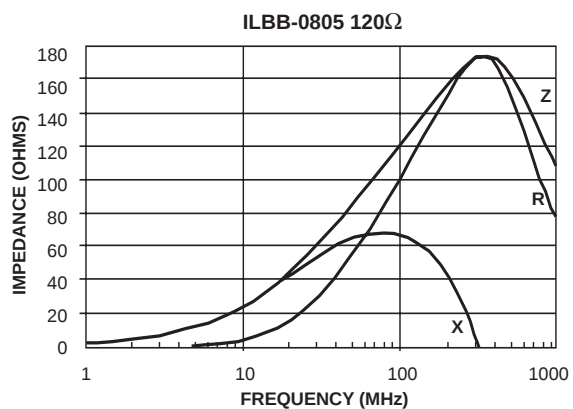
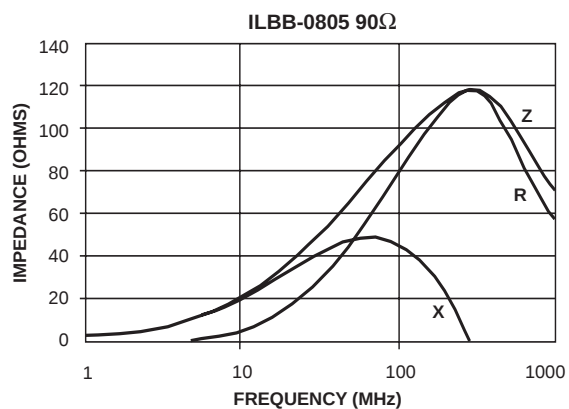
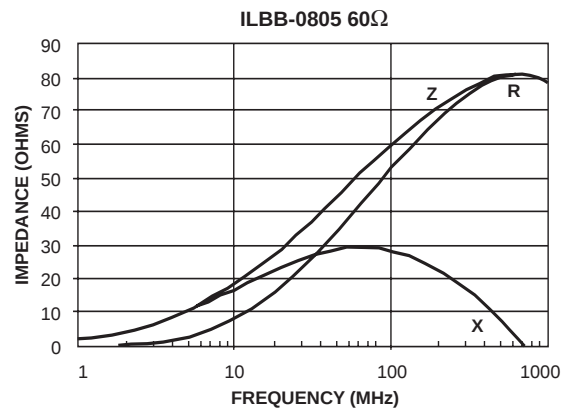
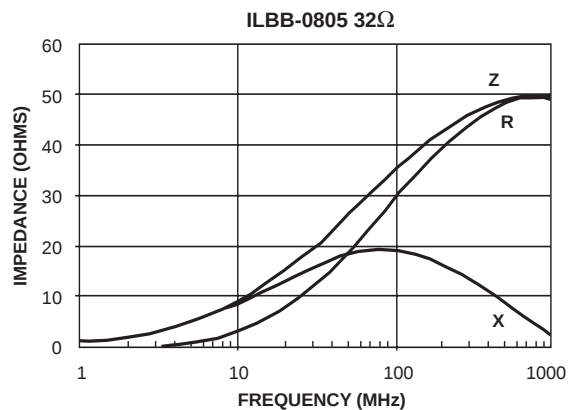
[Numbers in brackets indicate millimeters]



A_0	$0.059 \pm .004$ [1.50 ± 0.1]	P_2	$0.079 \pm .002$ [2.00 ± 0.05]
B_0	$0.092 \pm .004$ [2.34 ± 0.1]	W	0.327 Max. [8.3 Max.]
D_0	$0.059 + .005/- 0.000$ [1.5 + 0.127]	T	$0.009 \pm .002$ [0.2 ± 0.05]
D_1	0.039 Min. [1.0 Min.]	A	$7.000 \pm .079$ [178 ± 2.0]
E_1	$0.069 \pm .004$ [1.75 ± 0.1]	N	2.500 [63.5]
F	$0.138 \pm .002$ [3.50 ± 0.05]	C	$0.512 \pm .020$ [13.00 ± 0.50]
K_0	$0.049 \pm .002$ [1.24 ± 0.05]	W_1	$0.315 + 0.059/- 0.00$ [8.00 ± 1.50]
P_0	$0.157 \pm .004$ [4.00 ± 0.1]	T_1	$0.079 \pm .002$ [2.00 ± 0.05]
P_1	$0.157 \pm .004$ [4.00 ± 0.1]		

TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z


TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z



TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

