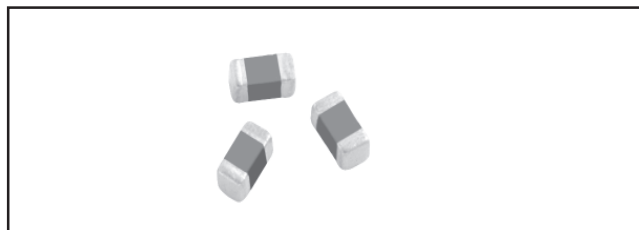


Multilayer Ferrite Beads



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.

Termination: 90/10 Sn/Pb.

Terminal Strength: 0.3 kilograms (0.66 pounds) for 30 seconds.

Beam Strength: 0.3 kilogram (0.66 pounds) minimum.

STANDARD ELECTRICAL SPECIFICATIONS

Z @ 100MHz (± 25%)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
10	0.05	500
30	0.09	500
40	0.10	400
60	0.10	400
68	0.10	200
80	0.20	150
120	0.20	150
180	0.30	150
220	0.30	150
300	0.35	150
450	0.40	100
600	0.45	100
750	0.60	100
1000	0.60	100

PACKAGING OPTIONS

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

HOW TO ORDER

ILBB-0603	30	± 25%
MODEL	IMPEDANCE VALUE	IMPEDANCE TOLERANCE

FEATURES

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

Flex: .079" [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.

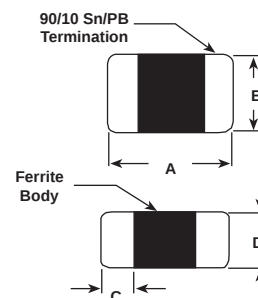
Humidity: 90% RH at 40°C, 1000 hours at full rated current.

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

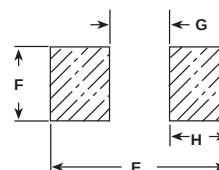
Dimensional Outline



[Numbers in brackets indicate millimeters]

A	B	C	D
0.063 ± .006 [1.6 ± 0.15]	0.032 ± .006 [0.8 ± 0.15]	0.012 ± .006 [0.3 ± 0.15]	0.032 ± .006 [0.8 ± 0.15]

Suggested Pad Layout

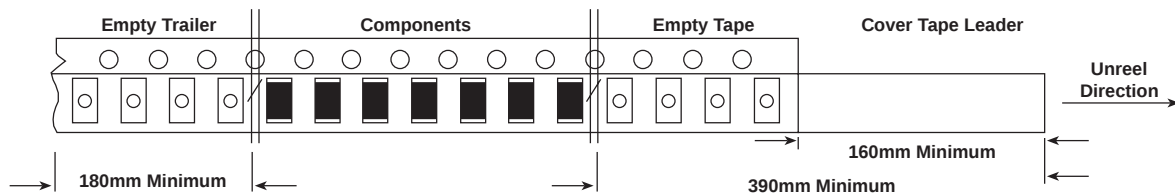
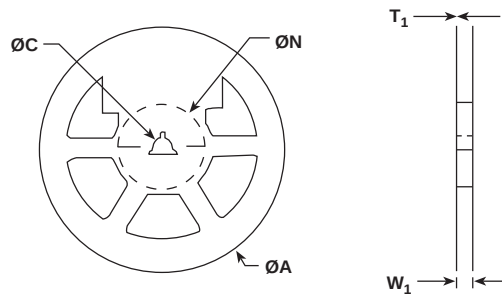
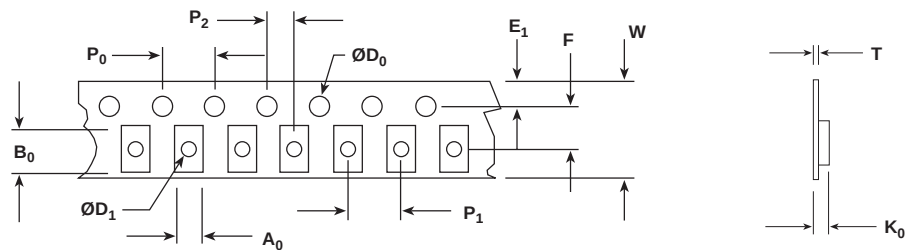


[Numbers in brackets indicate millimeters]

E	F	G	H
0.105 [2.67]	0.035 [0.9]	0.025 [0.64]	0.040 [1.0]

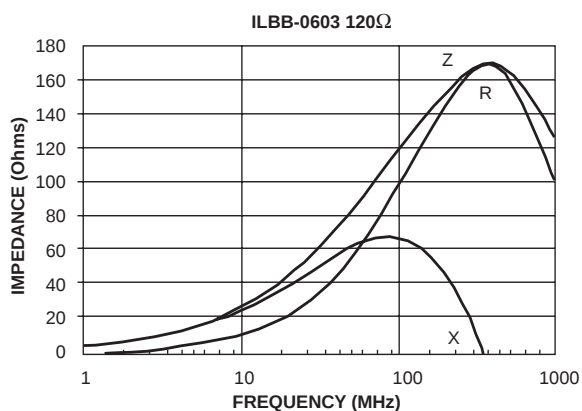
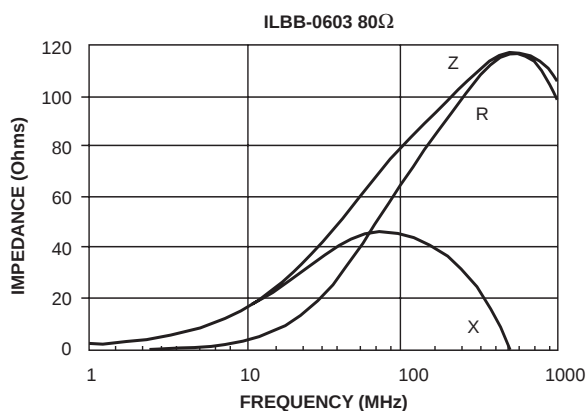
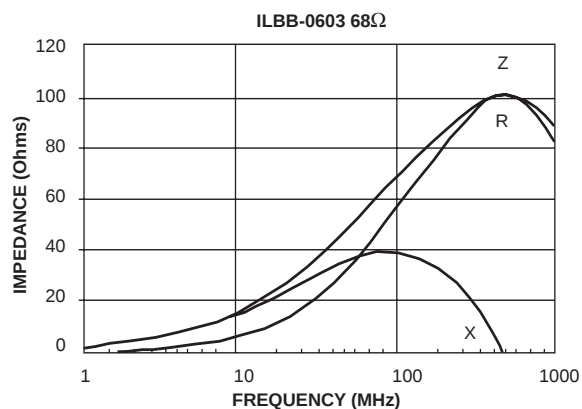
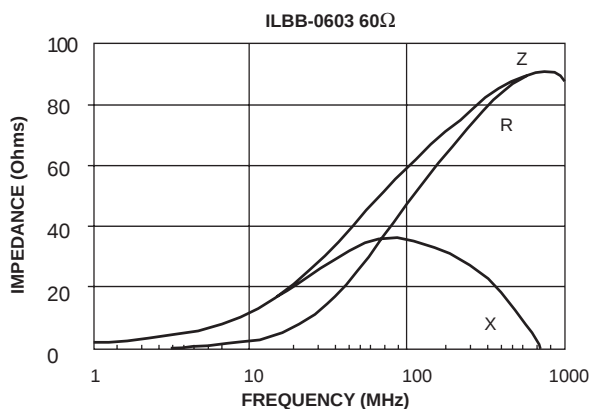
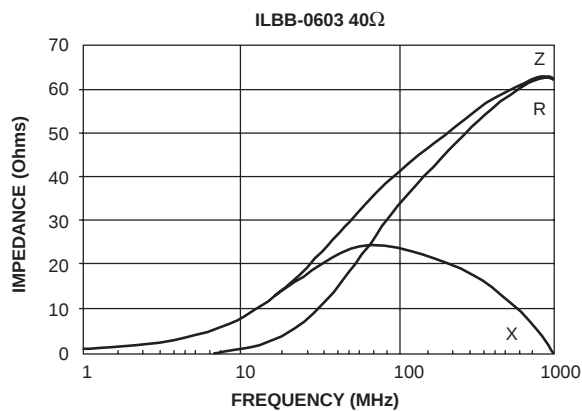
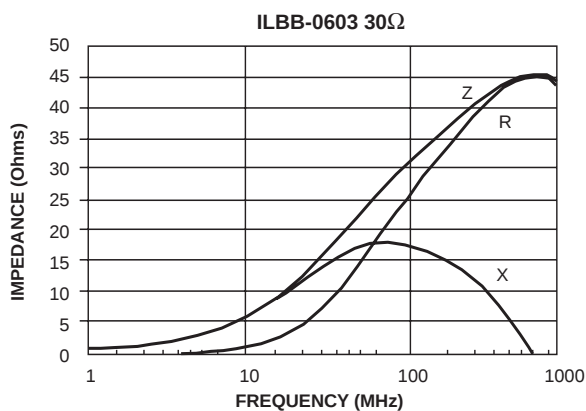
TAPE AND REEL SPECIFICATIONS 0603 SIZE PER EIA-481-1

[Numbers in brackets indicate millimeters]



A_0	$0.045 \pm .004$ [1.14 $\pm$ 0.1]	P_2	$0.079 \pm .002$ [2.00 $\pm$ 0.05]
B_0	$0.068 \pm .004$ [1.75 $\pm$ 0.1]	W	0.327 Max. [8.3 Max.]
D_0	$0.059 \pm .005/- 0.000$ [1.5 $\pm$ 0.127]	T	$0.008 \pm .002$ [0.2 $\pm$ 0.05]
D_1	0.039 Min. [1.0 Min.]	A	$7.000 \pm .079$ [178.0 $\pm$ 2.0]
E_1	$0.069 \pm .004$ [1.75 $\pm$ 0.1]	N	2.500 [63.5]
F	$0.138 \pm .002$ [3.50 $\pm$ 0.05]	C	$0.512 \pm .020$ [13.00 $\pm$ 0.05]
K_0	$0.045 \pm .002$ [1.15 $\pm$ 0.05]	W_1	$0.315 \pm 0.059/- 0.00$ [8.00 $\pm$ 1.50]
P_0	$0.157 \pm .004$ [4.00 $\pm$ 0.1]	T_1	$0.079 \pm .002$ [2.00 $\pm$ 0.05]
P_1	$0.157 \pm .004$ [4.00 $\pm$ 0.1]		

TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z



TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

