

Multilayer Ferrite Beads



MECHANICAL SPECIFICATIONS

Solderability: 90 % coverage after 5 s dip in 235 °C solder following 60 s preheat at 120 °C to 150 °C and type R flux dip

Resistance to Solder Heat: 10 s in 260 °C solder, after preheat and flux per above

Terminal Strength: 0.6 kg (1.32 lbs) minimum for 30 s

Beam Strength: 1 kg (2.2 lbs) minimum

Flex: 0.079" [2 mm] min. mounted on 0.063" [1.6 mm] thick PC board

STANDARD ELECTRICAL SPECIFICATIONS

Z ± 25 % AT 100 MHz (Ω)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
7	0.06	600
11	0.06	600
17	0.06	600
26	0.06	600
32	0.06	600
40	0.15	300
50	0.15	300
60	0.15	300
75	0.15	300
80	0.15	300
90	0.15	300
100	0.15	300
120	0.15	300
150	0.15	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

FEATURES

- High reliability
- Surface mountable
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

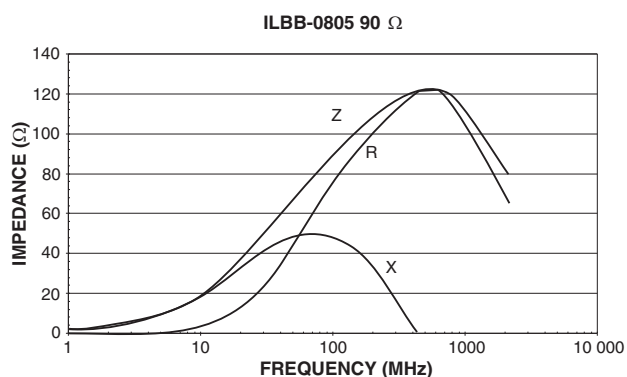
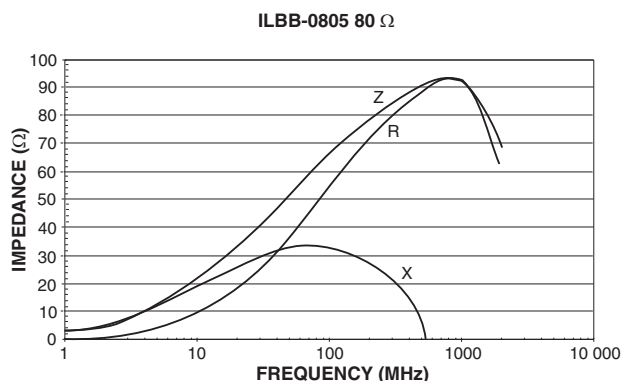
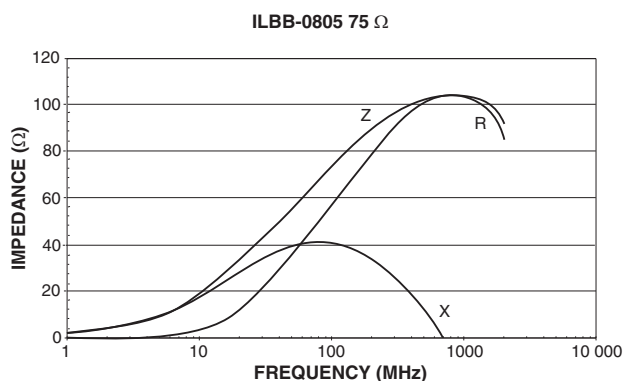
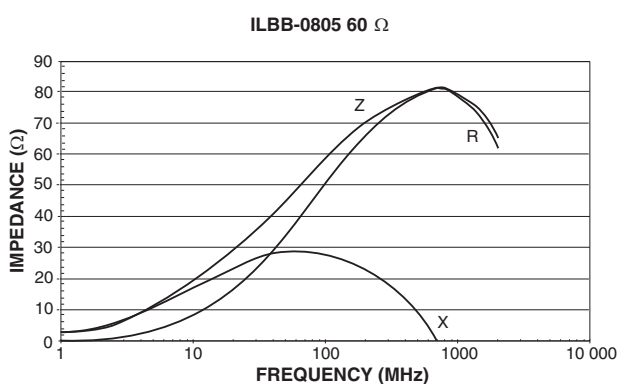
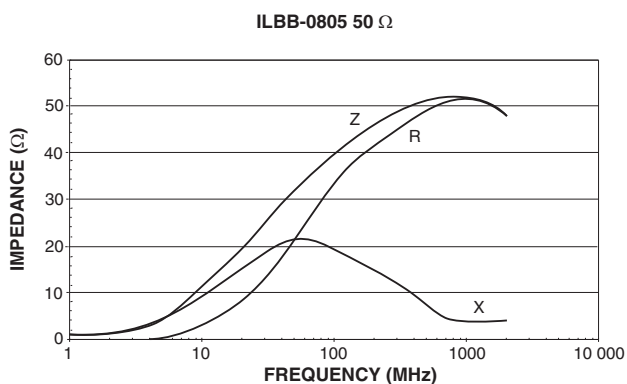
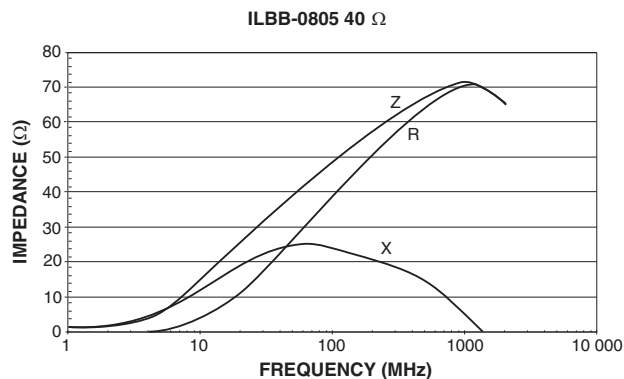
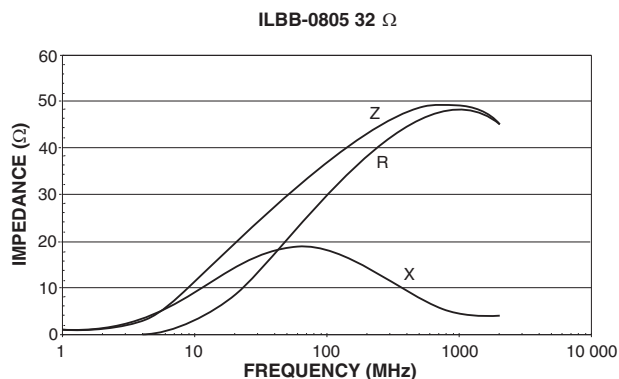
TAPE AND REEL SPECIFICATIONS 0805 SIZE PER EIA-481-1 in inches [millimeters]


A ₀	0.059 ± 0.004 [1.50 ± 0.1]
B ₀	0.093 ± 0.006 [2.35 ± 0.15]
D ₀	0.059 + 0.004/- 0.000 [1.5 + 0.1/- 0.0]
D ₁	0.039 min. [1.0 min.]
E ₁	0.069 ± 0.004 [1.75 ± 0.1]
F	0.138 ± 0.002 [3.50 ± 0.05]
K ₀	0.049 ± 0.002 [1.24 ± 0.05]
P ₀	0.157 ± 0.004 [4.00 ± 0.1]
P ₁	0.157 ± 0.004 [4.00 ± 0.1]
P ₂	0.079 ± 0.002 [2.00 ± 0.05]
W	0.327 max. [8.3 max.]
T	0.008 ± 0.002 [0.2 ± 0.05]
A	7.000 ± 0.079 [178 ± 2.0]
N	2.500 [63.5]
C	0.512 ± 0.020/- 0.008 [13.00 ± 0.5/- 0.2]
W ₁	0.315 + 0.059/- 0.000 [8.00 + 1.5]
T ₁	0.079 ± 0.002 [2.00 ± 0.05]

TYPICAL CURVES - Frequency Characteristics of R, X, and Z

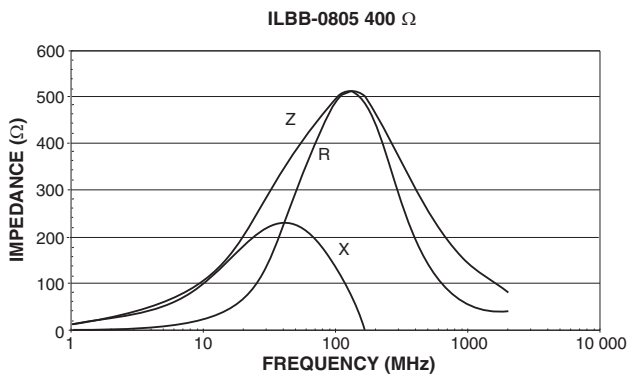
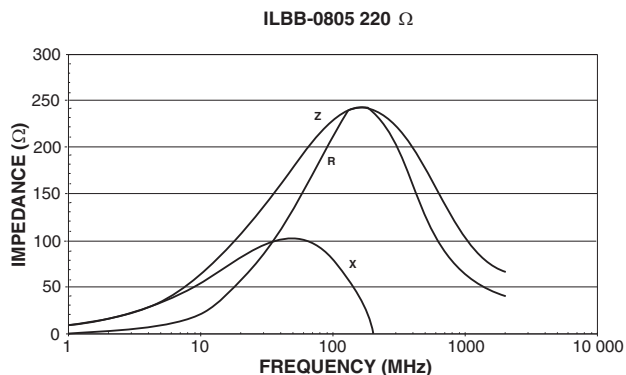
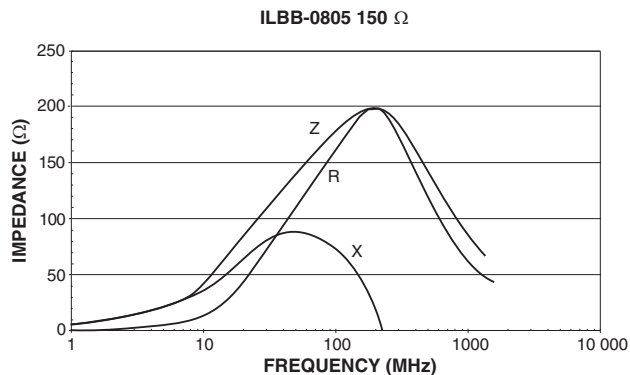
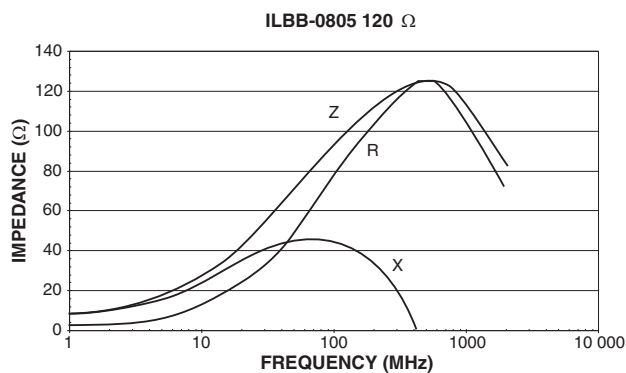



TYPICAL CURVES - Frequency Characteristics of R, X, and Z





TYPICAL CURVES - Frequency Characteristics of R, X, and Z





TYPICAL CURVES - Frequency Characteristics of R, X, and Z





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