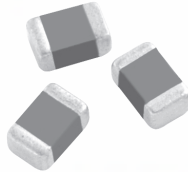


ILBB-0805

Vishay Dale



Multilayer Ferrite Beads



MECHANICAL SPECIFICATIONS*

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

Resistance To Solder Heat: 10 seconds in 260°C solder after preheat and flux per above.

Terminal Strength: 0.6 kilograms (1.32 pounds) minimum for 30 seconds.

FEATURES

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

Beam Strength: 1 kilogram (2.2 pounds) minimum.

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

ENVIRONMENTAL SPECIFICATIONS*

Operating Temperature: - 55°C to + 125°C.

Thermal Shock: 100 cycles, - 40°C to + 125°C.

Biased Humidity: 85% RH at 85°C, 1000 hours at full rated current.

STANDARD ELECTRICAL SPECIFICATIONS

Z @ 100 MHz (± 25%)	DCR MAX. (Ohms)	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
420	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

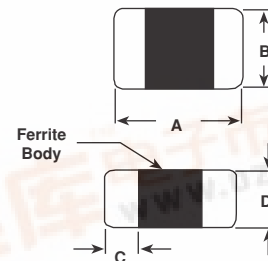
- Tape and Reel:
Embossed plastic carrier tape.
Per EIA481-1.
4000 pieces on a 7" [178mm] reel.

DESCRIPTION

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

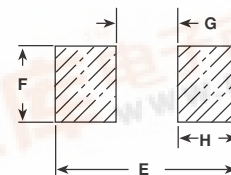
DIMENSIONS in inches [millimeters]

Dimensional Outline



A	B	C	D
0.079 ± 0.008 [2.0 ± 0.2]	0.049 ± 0.008 [1.25 ± 0.2]	0.020 ± 0.012 [0.5 ± 0.3]	0.035 ± 0.008 [0.9 ± 0.2]

Suggested Pad Layout



E	F	G	H
0.120 [3.0]	0.039 [1.0]	0.039 [1.0]	0.039 [1.0]

SAP PART NUMBERING GUIDELINES (INTERNAL)

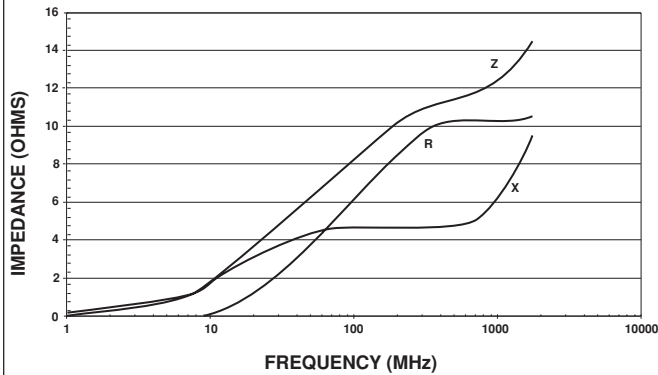
I	L	B	B	0	8	0	5	R	K	1	1	0	V
PRODUCT FAMILY				SIZE				PACKAGE CODE		IMPEDANCE VALUE			TOL.

See the end of this data book for conversion tables

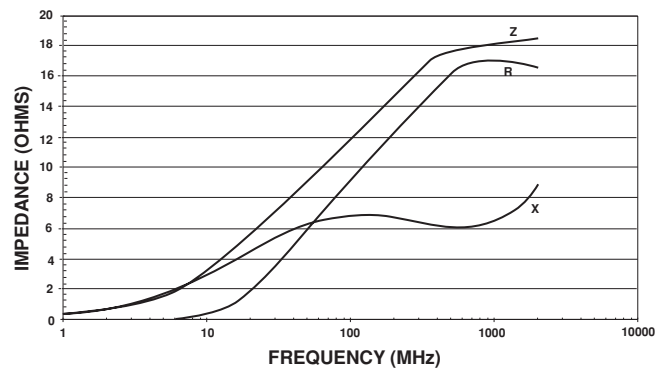


TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

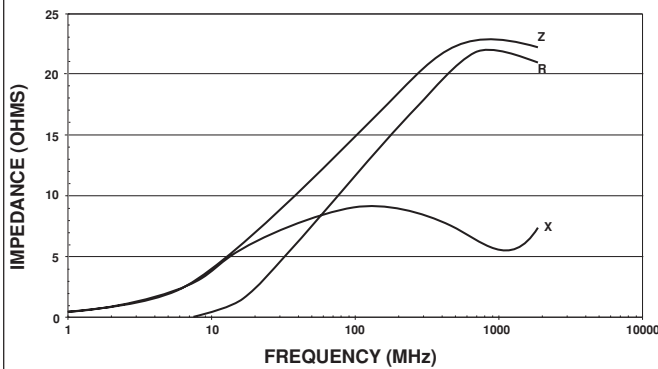
ILBB-0805 7 Ω



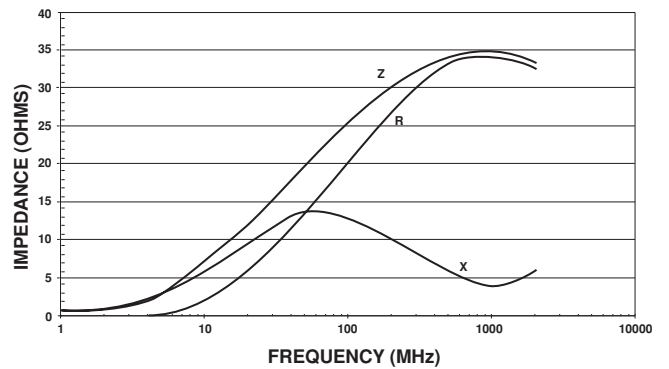
ILBB-0805 11 Ω



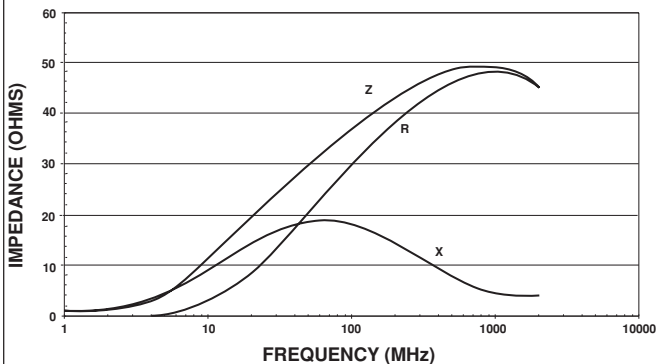
ILBB-0805 17 Ω



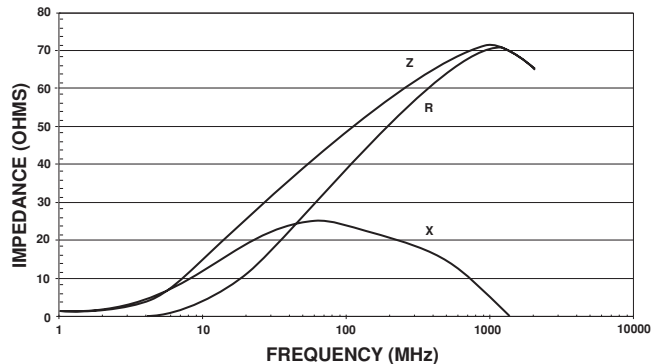
ILBB-0805 26 Ω



ILBB-0805 32 Ω

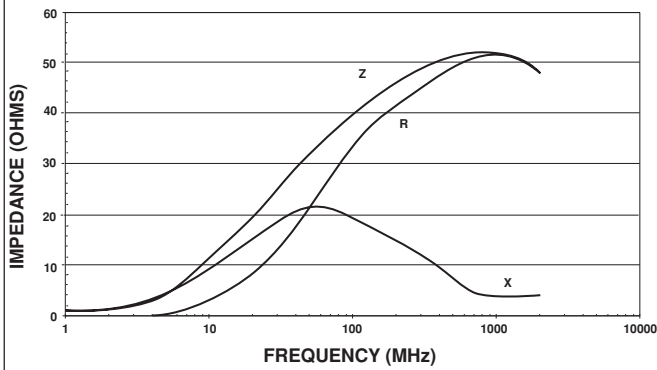


ILBB-0805 40 Ω

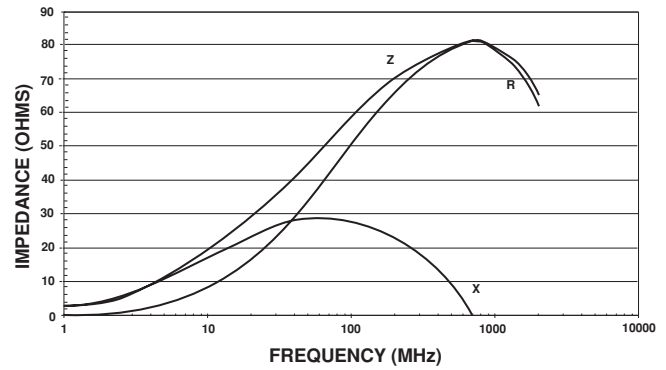


TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

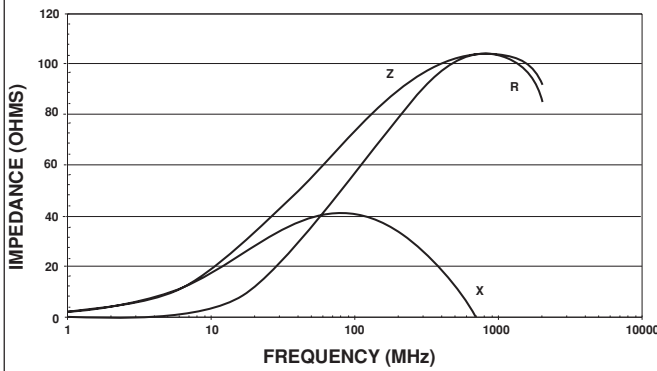
ILBB-0805 50Ω



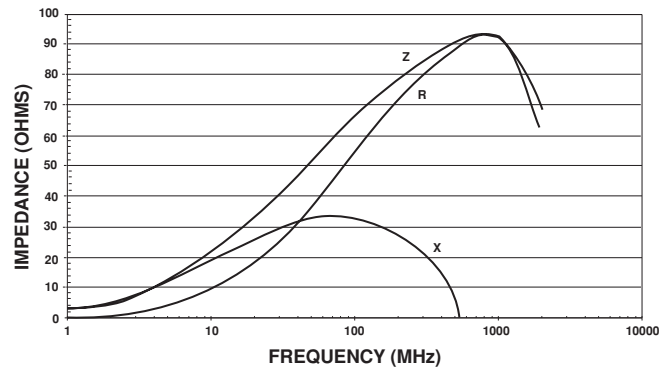
ILBB-0805 60Ω



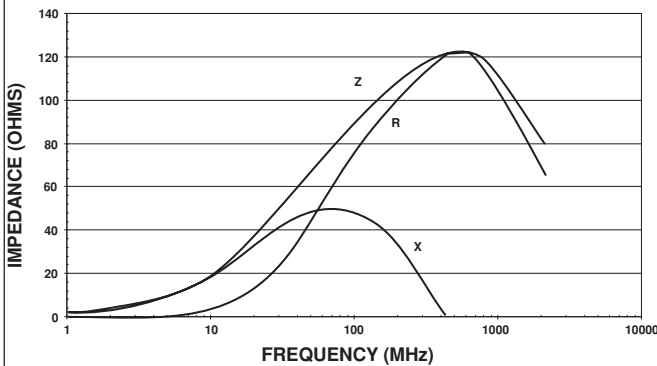
ILBB-0805 75Ω



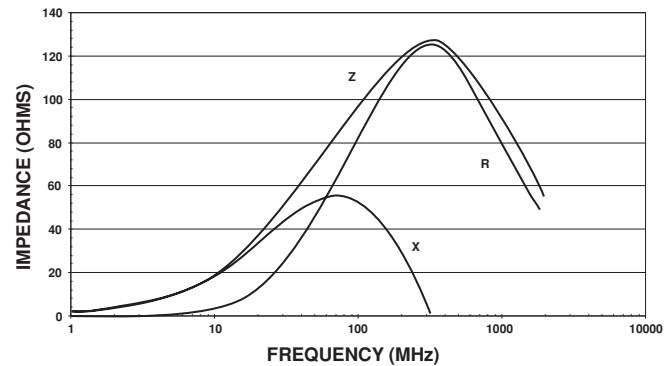
ILBB-0805 80Ω



ILBB-0805 90Ω



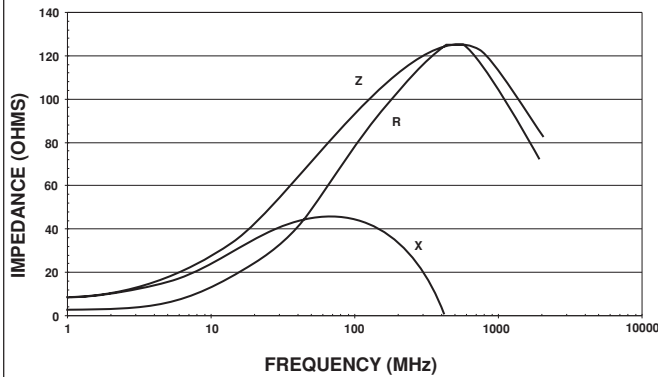
ILBB-0805 100Ω



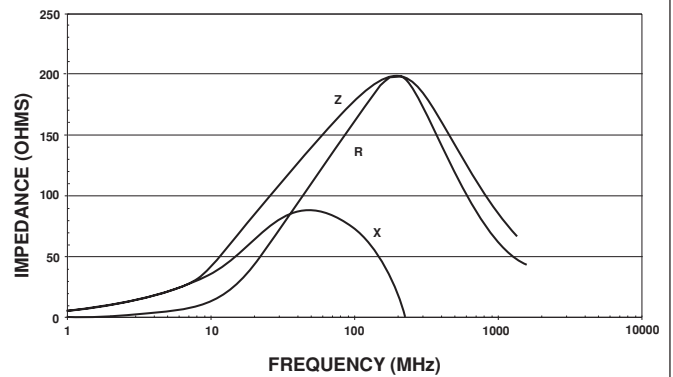


TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

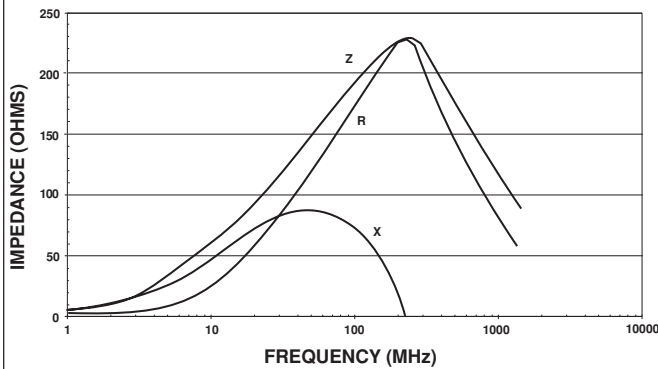
ILBB-0805 120 Ω



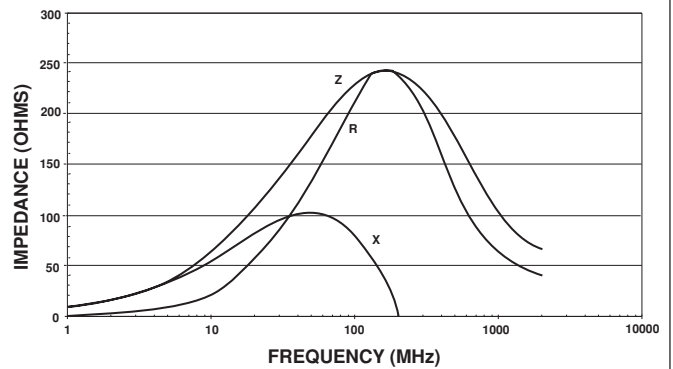
ILBB-0805 150 Ω



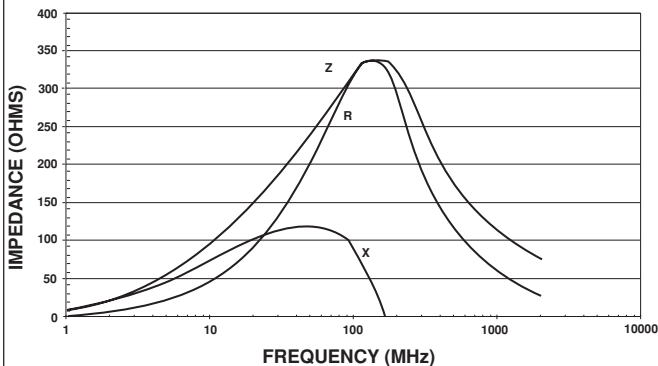
ILBB-0805 180 Ω



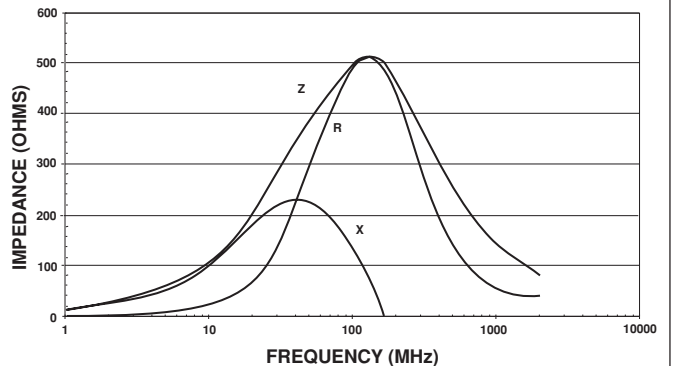
ILBB-0805 220 Ω



ILBB-0805 300 Ω

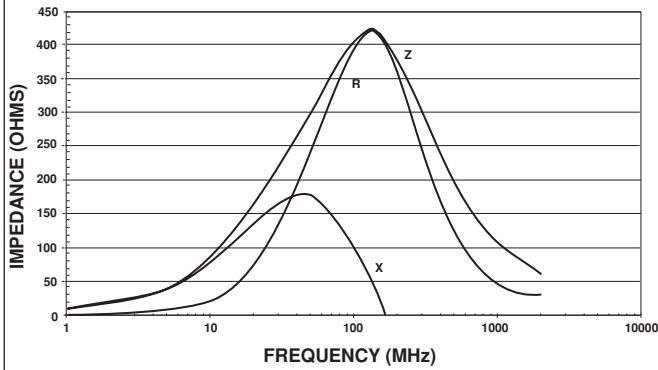


ILBB-0805 400 Ω

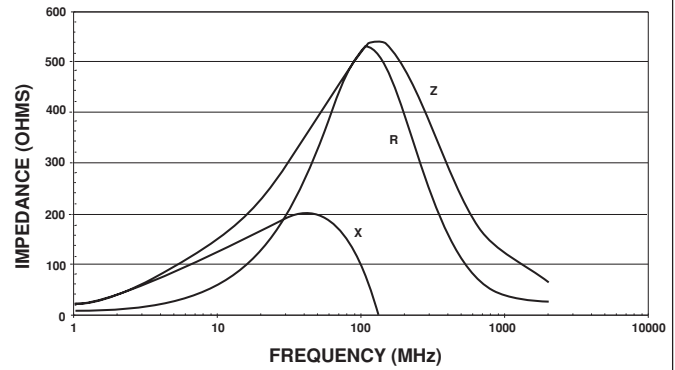


TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

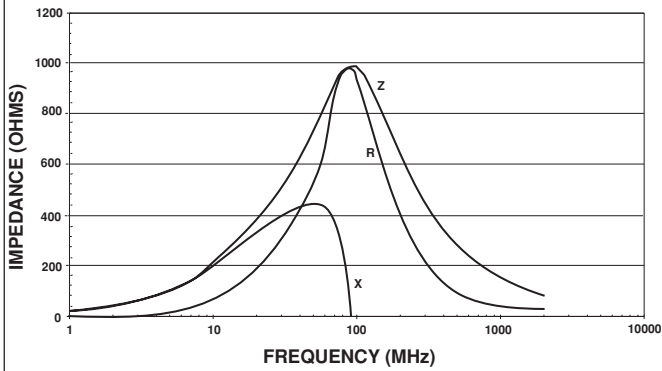
ILBB-0805 420Ω



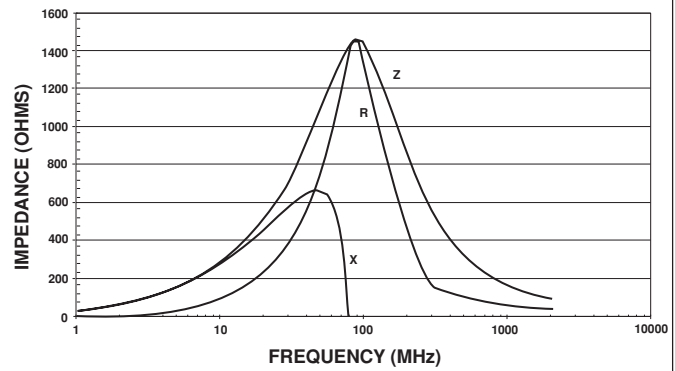
ILBB-0805 600Ω



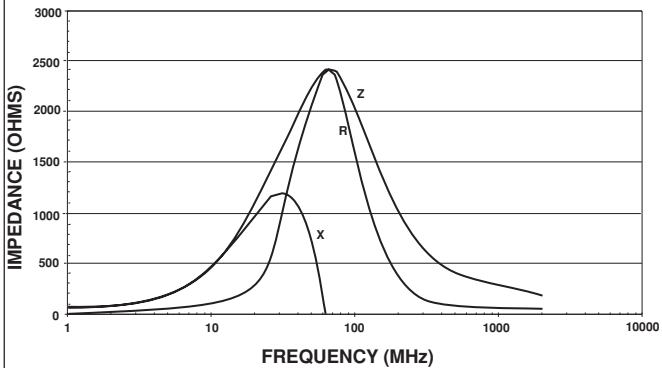
ILBB-0805 1000Ω



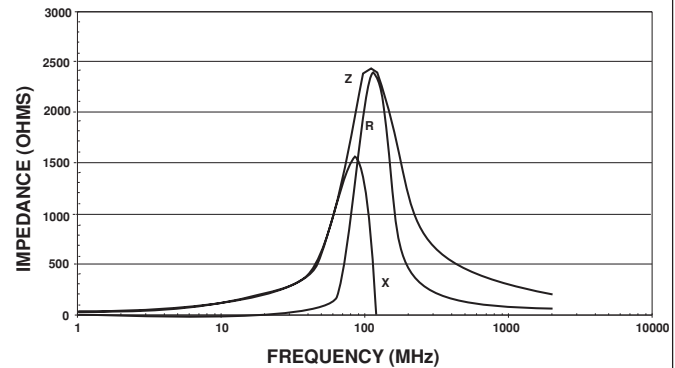
ILBB-0805 1500Ω



ILBB-0805 2000Ω

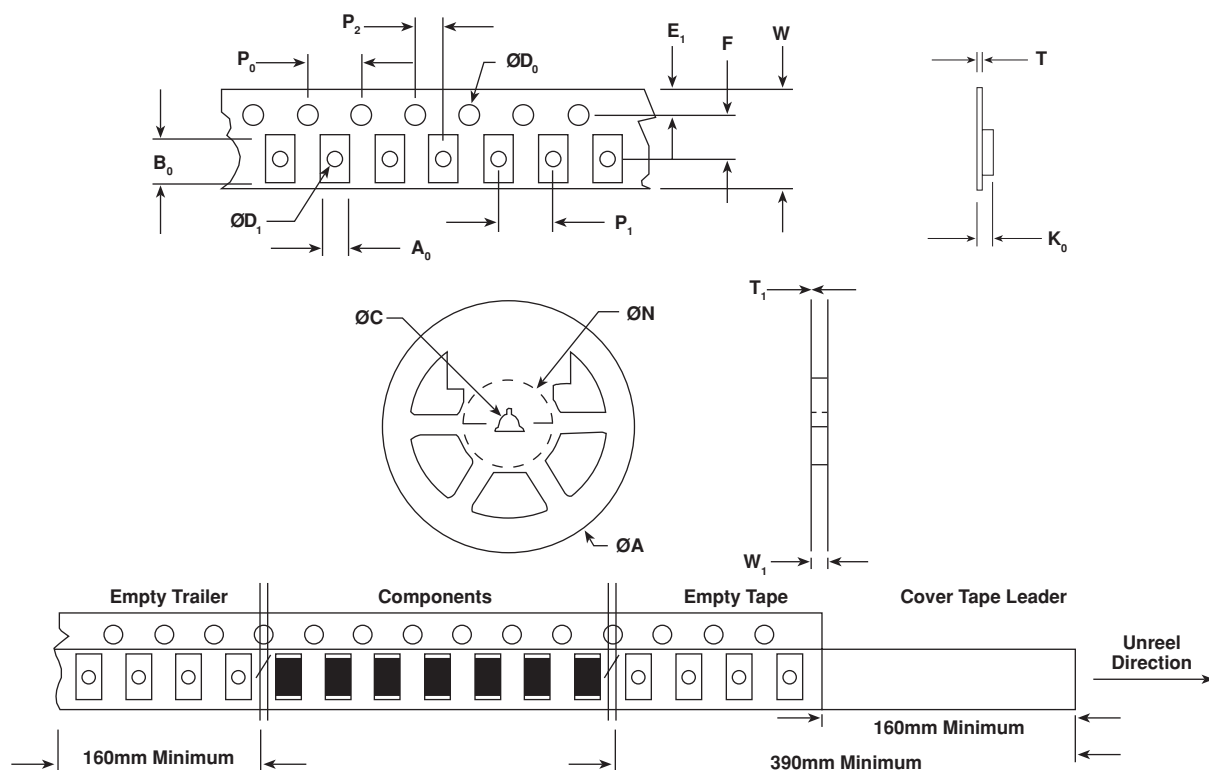


ILBB-0805 2200Ω





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



A ₀	0.059 ± .004 [1.50 ± 0.1]	P ₂	0.079 ± .002 [2.00 ± 0.05]
B ₀	0.093 ± .006 [2.35 ± 0.15]	W	0.327 Max. [8.3 Max.]
D ₀	0.059 + .004/- 0.000 [1.5 + 1/- 0.0]	T	0.008 ± .002 [0.2 ± 0.05]
D ₁	0.039 Min. [1.0 Min.]	A	7.000 ± .079 [178 ± 2.0]
E ₁	0.069 ± .004 [1.75 ± 0.1]	N	2.500 [63.5]
F	0.138 ± .002 [3.50 ± 0.05]	C	0.512 ± .020/- 0.008 [13 + 0.5/- 0.2]
K ₀	0.049 ± .002 [1.24 ± 0.05]	W ₁	0.315 + 0.059/- 0.00 [8.00 + 1.50]
P ₀	0.157 ± .004 [4.00 ± 0.1]	T ₁	0.079 ± .002 [2.00 ± 0.05]
P ₁	0.157 ± .004 [4.00 ± 0.1]		