

Miniature SMD Chip Open-Type Inductors (WB 0805 Type)

OUTLINE

- Our smallest wirebound inductors that ceramic body and wire wound construction provide the highest SRFs and q values even at high frequencies available in WB 0805 size.
- These ultra-compact inductors also assure the utmost in thermal stability, predictability, and consistency.

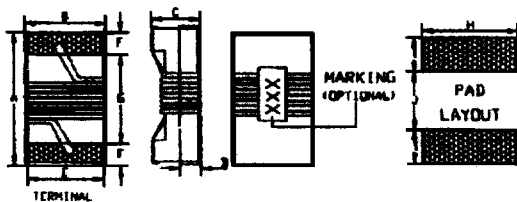
OPERATING TEMPERATURE

- 55°C + 125°C
- 55°C + 85° C
- 1000MΩ (min)

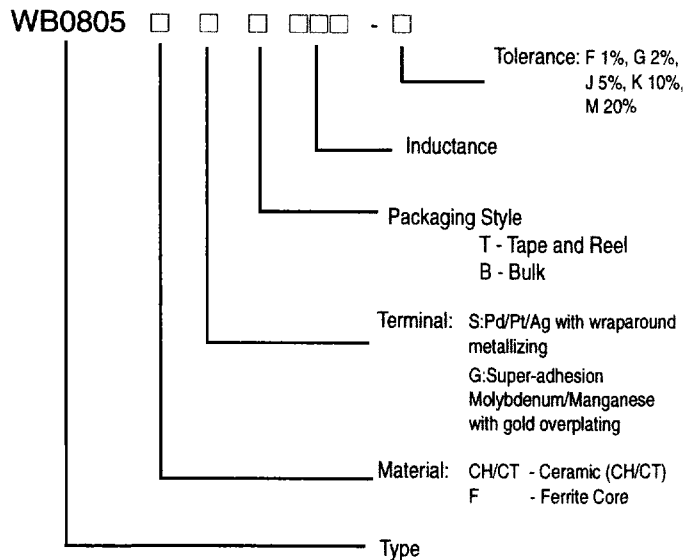
RECOMMENDED APPLICATIONS

- Pager, cordless phone and high frequency communication products.

SHAPES AND DIMENSIONS



PRODUCT IDENTIFICATION



Unit in mm and inches

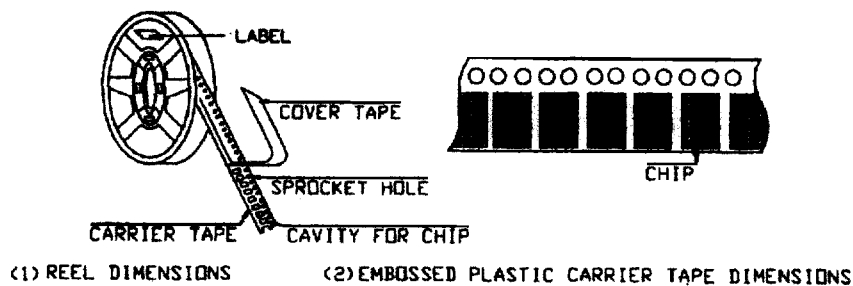
A (max)	B (max)	C (max)	D (ref)	E	F	G	H	I	J
2.16	1.52	1.52	0.51	1.27	0.51	1.02	1.78	1.02	0.76
0.085	0.060	0.060	0.020	0.050	0.020	0.040	0.070	0.040	0.030

Miniature SMD Chip Open-Type Inductors (WB0805 Type)

ELECTRICAL CHARACTERISTICS

Part No.	Inductance	Q (min)	F(MHZ)		SRF (MHZ) (min)	RDC (Ω) (max)	IDC (mA) (max)
			L	Q			
WB0805CH□□ 3N3 □	3.30 nH	50	250	1500	6000	0.080	600
WB0805CH□□ 6N8 □	6.80 nH	50	250	1000	5500	0.110	600
WB0805CH□□ 8N2 □	8.20 nH	50	250	500	4700	0.120	600
WB0805CH□□ 12N □	12.00 nH	50	250	500	4000	0.150	600
WB0805CH□□ 15N □	15.00 nH	50	250	500	3400	0.170	600
WB0805CH□□ 18N □	18.00 nH	50	250	500	3300	0.200	600
WB0805CH□□ 22N □	22.00 nH	55	250	500	2600	0.220	500
WB0805CH□□ 27N □	27.00 nH	55	250	500	2500	0.250	500
WB0805CH□□ 33N □	33.00 nH	60	250	500	2050	0.270	500
WB0805CH□□ 39N □	39.00 nH	60	250	500	2000	0.290	500
WB0805CH□□ 47N □	47.00 nH	60	200	500	1650	0.310	500
WB0805CH□□ 56N □	56.00 nH	60	200	500	1550	0.340	500
WB0805CH□□ 68N □	68.00 nH	60	200	500	1450	0.380	500
WB0805CH□□ 82N □	82.00 nH	65	150	500	1300	0.420	400
WB0805CH□□ R10 □	0.10 μ H	65	150	500	1200	0.460	400
WB0805CH□□ R12 □	0.12 μ H	50	150	250	1100	0.510	400
WB0805CH□□ R15 □	0.15 μ H	50	100	250	920	0.560	400
WB0805CH□□ R18 □	0.18 μ H	50	100	250	870	0.640	400
WB0805CH□□ R22 □	0.22 μ H	50	100	250	850	0.700	400

Packaging Specification for SMD Chip Open-Type Inductors



SPECIFICATIONS OF REEL & PACKING UNIT

Unit in mm

Part Number	Dimensions of Reel				Packing Unit	
	A	B	C	W	Φ180mm	Φ330mm
WB1008	180 / 330	62.0±1.50	12.75±0.15	10.0	2,000	
WB0805	180 / 330	62.0±1.50	12.75±0.15	10.0	3,000	

DIMENSIONS OF EMBOSSED PLASTIC CARRIER TAPE

Unit in mm

Symbol	WB1008	WB0805
A	2.75	2.75
B	1.75±0.10	1.75±0.10
C	3.50±0.05	3.50±0.05
D	8.00±0.20	8.00±0.20
K	3.10±0.10	2.20±0.10
K0	3.20±0.10	2.70±0.10
K1	2.24±0.05	1.40±0.10
L	3.50	2.85
W	3.30	2.35
P0	4.00±0.10	4.00±0.10
P1	4.00±0.10	4.00±0.10
P2	2.00±0.05	2.00±0.05
d0	1.50±0.10 -0.00	1.50±0.10 -0.00
d1	1.10±0.10	1.10±0.10
t	0.30±0.05	0.20±0.05