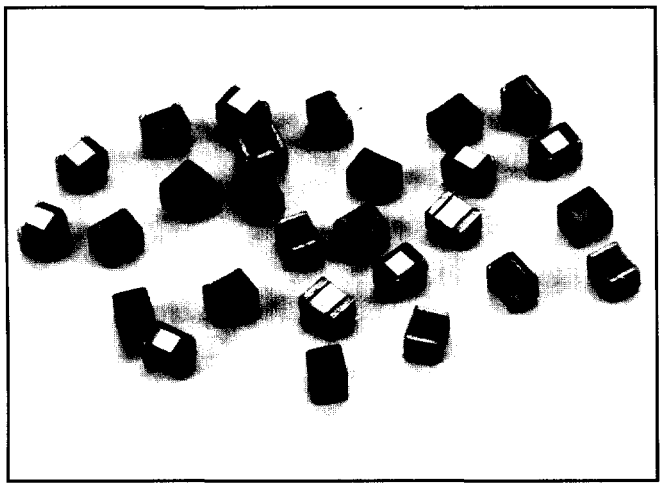
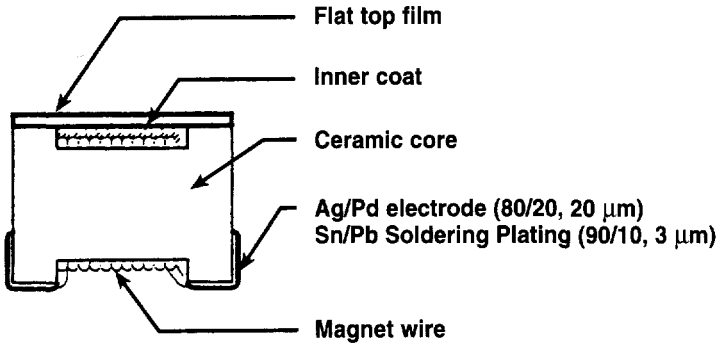
KOA SPEER ELECTRONICS, INC.

CHIP INDUCTOR
KQ0805

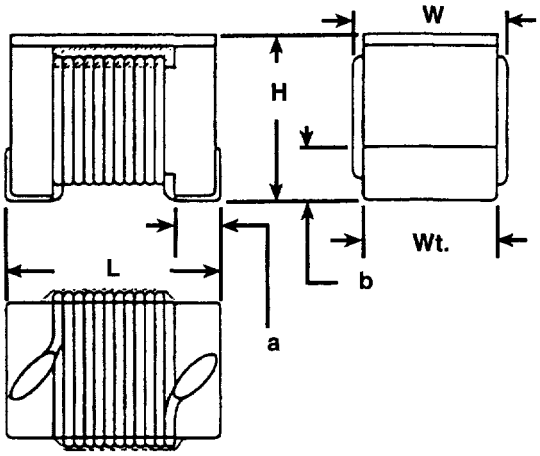


CHIP INDUCTOR

- Surface Mount 0805 Style
- Flat top suitable for High Speed Pick and Place Components
- Excellent High Frequency Applications
- High Q Factors and Self-Resonant Frequency Values
- Inductance Value Marked on Part
- SMT Lab Kit Available



DIMENSIONS



DIMENSIONS	L	W	Wt	H	a	b
MM	2.0 ±0.2	1.5 ±0.2	1.4 ±0.1	1.3 ±0.2	0.45 ±0.1	0.4 ±0.15
INCH	.079 ±0.008	.059 ±0.008	.056 ±0.004	.056 ±0.008	.018 ±0.004	.016 ±0.006

MARKING ON CHIP INDUCTOR

The marking of nominal inductance consists of only one-figure number as detailed below.

VALUE	NUMBER	VALUE	NUMBER
3.3 nH	0	56 nH	1
6.8 nH	1	68 nH	2
8.2 nH	2	82 nH	3
12 nH	3	100 nH	4
15 nH	4	120 nH	5
18 nH	5	150 nH	6
22 nH	6	180 nH	7
27 nH	7	220 nH	8
33 nH	8	270nH	9
39 nH	9	330nH	0
47 nH	0	390nH	1

ORDERING & SPECIFYING INFORMATION*

No tolerance of inductance shall be indicated.

KQ	0805	TE	R10	J
Type	Size Code	Packaging	Nominal Inductance	Tolerance
Air Core Winding Form	2.0 x 1.5 x 1.3 mm	TE: Embossed Taping No Designation: Bulk	3N3 : 3.3 nH 82N : 82 nH R22 : 220 nH	G: ±2% J: ±5% K: ±10% M: ±20%

*Please Note: KSE's Part Numbers Do Not Contain any Spaces or Hyphens.

TELEPHONE: 814-362-5536 FAX: 814-362-8883

STANDARD APPLICATIONS

TYPE	Ind.	Inductance Tolerance (%)				Quality Factor		SRF MHz (min)	DC. Res Ω max	Allowable Current mA max.	Meas. Freq. Mhz
		G	J	K	M	Q. min.	Freq. (MHz)				
KQ0805TE3N3	3.3nH	NA				50	1500	6000	0.08	600	250
KQ0805TE6N8	6.8nH						1000	5500	0.11	600	250
KQ0805TE8N2	8.2nH							4700	0.12	600	250
KQ0805TE12N	12nH						500	4000	0.15	600	250
KQ0805TE15N	15nH							3400	0.17	600	250
KQ0805TE18N	18nH							3300	0.20	600	250
KQ0805TE22N	22nH					55		2600	0.22	500	250
KQ0805TE27N	27nH							2500	0.25	500	250
KQ0805TE33N	33nH					60		2050	0.27	500	250
KQ0805TE39N	39nH							2000	0.29	500	250
KQ0805TE47N	47nH							1650	0.31	500	200
KQ0805TE56N	56nH				NA			1550	0.34	500	200
KQ0805TE68N	68nH							1450	0.38	500	200
KQ0805TE82N	82nH					65		1300	0.42	400	150
KQ0805TER10	0.10µH							1200	0.46	400	150
KQ0805TER12	0.12µH					50	250	1100	0.51	400	150
KQ0805TER15	0.15µH							920	0.56	400	100
KQ0805TER18	0.18µH							870	0.64	400	100
KQ0805TER22	0.22µH							850	0.70	400	100
KQ0805TER27	0.27µH					48		650	1.0	350	250
KQ0805TER33	0.33µH							600	1.4	310	250
KQ0805TER39	0.39µH							560	1.5	290	250