



# KARSON ELECTRONICS LTD.

MANUFACTURERS AND SUPPLIERS OF IRON POWDER CORES.

**STD**

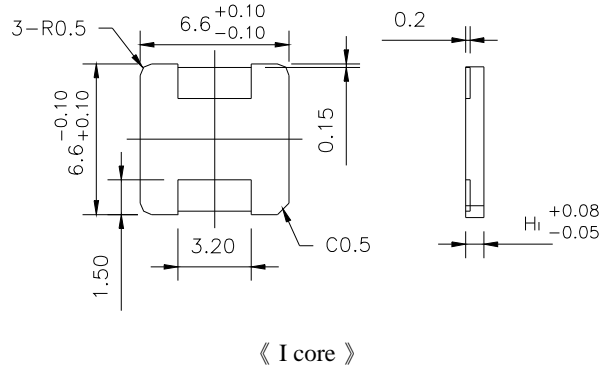
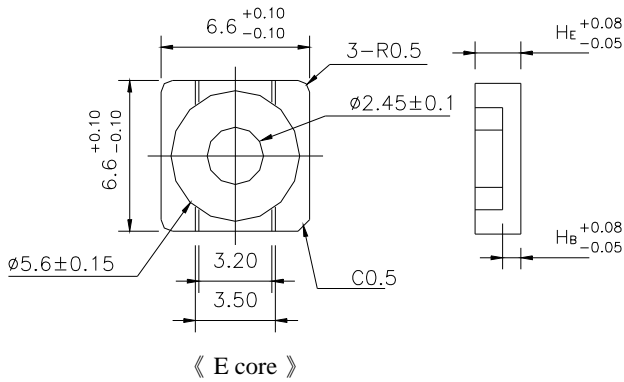
## CORE FOR SMD INDUCTOR

SIZE: 6.6 \* 6.6 mm --- 180° series

### FEATURES:

- Low profile package for surface mount inductors.
- Magnetic shielded construction for high density board assembly.
- Good DC current characteristics in high frequency and high temperature.
- Large energy storage capability.
- Flexibility for Customer Specification Design

### MECHANICAL OUTLINES: (unit: mm)



### ELECTRICAL SPECIFICATIONS FOR STD P/N

CUST	Hr	E core P/N	I core P/N	HE	HB	HI	Tested wire	Inductance	
STD	6.3H	KS00-X0606E-5.3AB	KS00-X0606IW-1.0AB	5.30	1.10	1.00	1.15W*0.70H*4.5Ts	uH ±15% @ 0A	uH ±15% @ 20A
							1.15W*0.50H*5.5Ts	uH ±15% @ 0A	uH ±15% @ 15A
							1.15W*0.40H*6.5Ts	uH ±15% @ 0A	uH ±15% @ 12A
STD	5.2H	KS00-X0606E-4.2AB	KS00-X0606IW-1.0AB	4.20	1.00	1.00	1.15W*0.70H*3.5Ts	uH ±15% @ 0A	uH ±15% @ 20A
							1.15W*0.50H*4.5Ts	uH ±15% @ 0A	uH ±15% @ 15A
							1.15W*0.40H*5.5Ts	uH ±15% @ 0A	uH ±15% @ 12A
STD	4.4H	KS00-X0606E-3.4AB	KS00-X0606IW-1.0AB	3.40	0.90	1.00	1.15W*0.70H*2.5Ts	0.25uH ±15% @ 0A	0.20uH Min @ 20A
							1.15W*0.50H*3.5Ts	0.50uH ±15% @ 0A	0.42uH ±15% @ 15A
							1.15W*0.40H*4.5Ts	0.80uH ±15% @ 0A	0.68uH ±15% @ 12A
STD	3.7H	KS00-X0606E-2.7AB	KS00-X0606IW-1.0AB	2.70	0.80	1.00	1.15W*0.70H*1.5Ts	0.10uH ±15% @ 0A	uH Min @ 20A
							1.15W*0.50H*2.5Ts	0.25uH ±15% @ 0A	uH ±15% @ 15A
							1.15W*0.33H*3.5Ts	0.50uH ±15% @ 0A	uH ±15% @ 10A
STD	3.0H	KS00-X0606E-2.0AB	KS00-X0606IW-1.0AB	2.00	0.80	1.00	1.15W*0.40H*1.5Ts	0.10uH ±15% @ 0A	uH Min @ 12A
							1.15W*0.25H*2.5Ts	0.25uH ±15% @ 0A	uH ±15% @ 8A

NOTE: Test condition @ 100KHz, 0.1Vrms, 25°C ambient

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