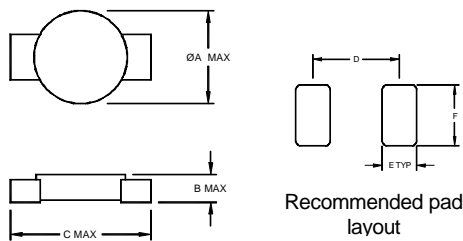
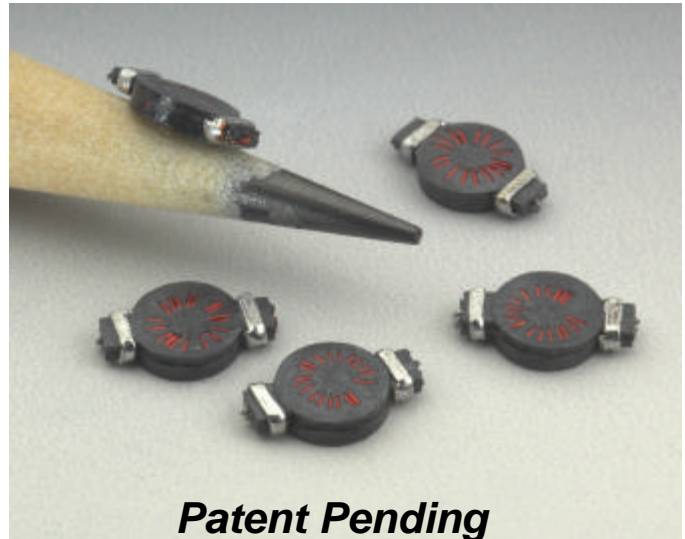


## Ultra Low Profile Surface-Mount Toroidal Power “Chip” Inductors

Standex Electronics Series ST toroidal “chip” inductor is an ultra low profile surface-mount toroidal inductor encapsulated in high temperature plastic to provide a “pick and place” compatible surface-mount package.

### Features:

- Ideal for DC-DC power converters in portable electronics
- Excellent for applications with high frequency ripple current
- Toroidal core – lowest stray field for close component placement
- Height is much lower than the height of components with similar electrical characteristics
- Very low DC resistance for very high circuit efficiency
- Saturation current is as much as 50% higher than similar components
- Operating frequency to over 1 MHz



ST2006 Series						
Dimension	A	B	C	D	E	F
mm	5.2	1.5	7.8	6.0	1.5	3.3
Inches	.20	.06	.31	.24	.06	.13

ST2207 Series						
Dimension	A	B	C	D	E	F
mm	5.6	1.8	8.1	6.0	1.5	3.3
Inches	.22	.07	.32	.24	.06	.13

Part Number	Inductance ± 20%	Saturation Current (I Sat)*	Current Max (I DC)**	DCR Max
ST2006112	1.1 µH	1.87	3.07	0.026
ST2006162	1.6 µH	1.53	2.84	0.031
ST2006222	2.2 µH	1.30	2.53	0.039
ST2006332	3.3 µH	1.05	2.30	0.047
ST2006472	4.7 µH	0.89	2.15	0.054
ST2006682	6.8 µH	0.73	1.95	0.066
ST2006822	8.2 µH	0.67	1.68	0.089
ST2006103	10.2 µH	0.60	1.58	0.100
ST2006153	15.0 µH	0.50	1.16	0.185
ST2006223	22.4 µH	0.41	0.95	0.276

Part Number	Inductance ± 20%	Saturation Current (I Sat)*	Current Max (I DC)**	DCR Max
ST2207103	10 µH	0.82	1.49	0.113
ST2207153	15 µH	0.685	1.36	0.135
ST2207223	22 µH	0.548	0.98	0.260
ST2207333	33 µH	0.456	0.89	0.313
ST2207473	47 µH	0.382	0.74	0.455
ST2207683	68 µH	0.316	0.60	0.689
ST2207823	82 µH	0.288	0.58	0.756
ST2207104	100 µH	0.261	0.48	1.079
ST2207154	150 µH	0.213	0.43	1.375
ST2207224	220 µH	0.175	0.39	1.680
ST2207334	330 µH	0.143	0.35	2.054

\*Saturation current is the DC current required to reduce the inductance to 70% of the 0 amp DC value.  
 \*\*Current max. is the DC current required for a maximum temperature rise of 40°C when tested at 25°C ambient.

**Contact Us For Information On Custom variations**

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