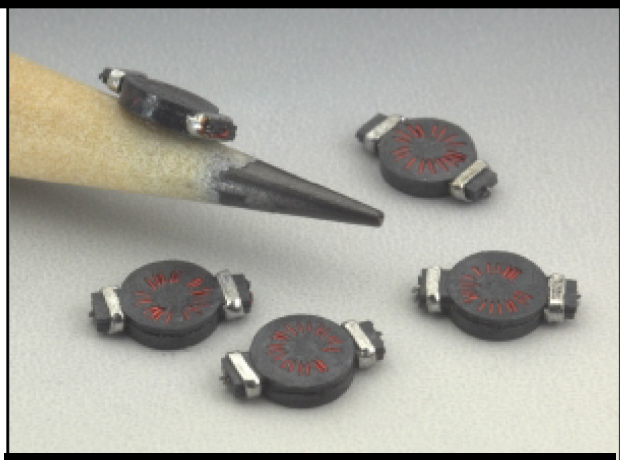
Standex Electronics

Series ST Inductors

Ultra Low Profile Surface-Mount Toroidal Power "Chip" Inductors

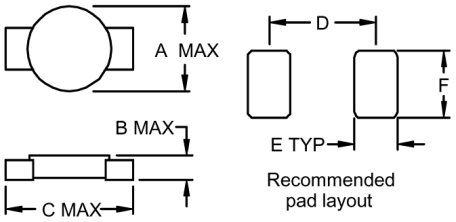


Use ST Series for:

- High efficiency, battery operated regulators
- Discontinuous mode converters up to 1.5 MHz
- Storage inductor applications
- Operating temperature up to 85° C

Features:

- Uses ferrite core material for high frequency performance
- Ideal for DC - DC power converters in portable electronics
- Excellent for densely populated PC boards
- Very low DC resistance for very high circuit efficiency
- Saturation current is as much as 50% higher than similar components



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

For higher temperature or better saturation current characteristics consider our SP Series

Patented

Part Number	Ind. ± 20%	I sat ADC [1]	Current Max IRMS [2]	DCR Ohms ±15%
ST2006112	1.1 µH	1.87	3.07	0.023
ST2006152	1.5 µH	1.53	2.84	0.027
ST2006222	2.2 µH	1.30	2.53	0.033
ST2006332	3.3 µH	1.05	2.30	0.040
ST2006472	4.7 µH	0.89	2.15	0.046
ST2006682	6.8 µH	0.73	1.95	0.056
ST2006822	8.2 µH	0.67	1.68	0.076
ST2006103	10.0 µH	0.60	1.58	0.085
ST2006153	15.0 µH	0.50	1.16	0.157

Part Number	Ind. ± 20%	I sat ADC [1]	Current Max IRMS [2]	DCR Ohms ±15%
ST2207103	10 µH	0.820	1.49	0.096
ST2207153	15 µH	0.685	1.36	0.115
ST2207223	22 µH	0.548	0.98	0.221
ST2207333	33 µH	0.456	0.89	0.266
ST2207473	47 µH	0.382	0.74	0.387
ST2207683	68 µH	0.316	0.60	0.586
ST2207823	82 µH	0.288	0.58	0.643
ST2207104	100 µH	0.261	0.48	0.917
ST2207154	150 µH	0.213	0.43	1.169
ST2207224	220 µH	0.175	0.39	1.428

1. ISAT is the DC current required to reduce the inductance by 30%.
2. IRMS is the DC current required for a 40°C temperature rise.

Contact Us For Information On Custom Variations

Standex Electronics Inc.
4538 Camberwell Road
Cincinnati, Ohio 45209

www.StandexElectronics.com
513-871-3777 866-STANDEX
Fax 513-871-3779