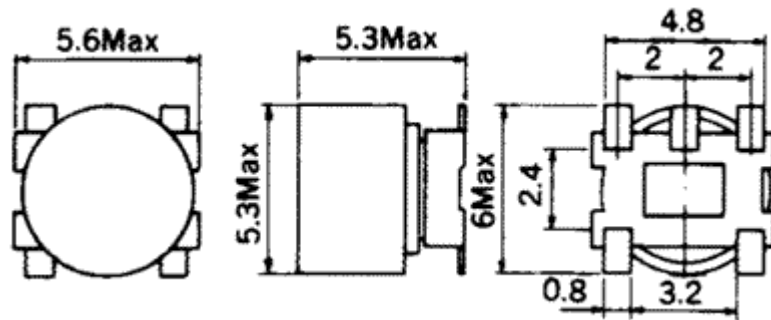


5CT Series



Technical Specification

Frequency Range :	100kHz - 2.52MHz
Inductance Range :	50uH - 7.5mH
Temperature Coefficient :	1500ppm/°C max
Operating Temp. Range :	-10°C/+60°C
Quantity per Reel :	300 pcs / 1500 pcs

Not recommended for new designs. Please use 5CA Series.

Features

- 5CT Bias oscillator coil, DC-DC converter transformer suitable for use in portable equipment.
- For Re-flow soldering type.
- Small size (5.5 x 5.5 x 5.3mm).
- One capacitor can be inserted.
- Available range of capacitor 12-750pF (E12 series).
- Ideal for wide band transformer due to low magnetic reluctance or as a bias oscillator on DC/DC converters.
- Pot core guarantees low radiated noise and protection from EMI.
- Pot core positioning maintains close proximity of magnetic loop allowing high inductance to be reached with fewer amount of windings.
- This gives you greater performance in a smaller package.
- Devices not intended for severe impact.
- Protect against dropping during assembly procedures.
- Reflows at 235°C - 245°C (5 - 10 secs max).
- Withstands Freon and Chlorothen degreasing.
- Type 5CT available with up to 5 terminals to provide secondary winding or taps or function as a step-up transformer.

TOKO 5CT SURFACE MOUNT FIXED INDUCTORS

TOKO Ref	Inductance	DC Res (ohm)	Q Test Freq @ MHz		SRF (MHz)	DC(I) (mA)	BEC Ref
312AN11801B	0.05mH	0.8	25	2.52	17	260	301801
312AN11811B	0.5mH	2.5	70	0.796	5.1	160	301811
312AN11821B	1.0mH	4.5	100	0.252	3.8	100	301821
312AN11831B	1.5mH	8.5	110	0.252	3	90	301831
312AN11841B	2.0mH	10	120	0.252	2.6	83	301841
312AN11851B	2.5mH	14.5	110	0.252	2.1	77	301851

312AN11861B	3.0mH	16	110	0.252	2	72	301861
312AN11871B	3.5mH	17.5	110	0.252	1.9	67	301871
312AN11881B	4.0mH	19.5	110	0.252	1.8	65	301881
312AN11891B	4.5mH	20.8	110	0.252	1.6	59	301891
312AN11901B	5.0mH	22	110	0.252	1.6	58	301901
312AN11911B	5.5mH	22	110	0.252	1.4	56	301911
312AN11921B	6.0mH	23	110	0.252	1.4	54	301921
312AN11931B	6.5mH	24.6	110	0.252	1.3	51	301931
312AN11941B	7.0mH	25.8	110	0.252	1.3	49	301941
312AN11951B	7.5mH	27	110	0.252	1.2	47	301951