TYPE 5CD

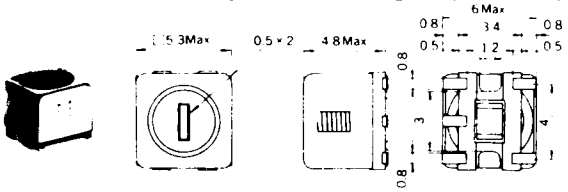
For Reflow Soldering

Frequency Range: 0.2MHz-15MHz

Inductance Range: 1μH-680μH

Temperature Coefficient: 0 ± 250ppm/°C

Optional Internal Capacitance Range: 5pF to 750pF



Quality Features:

- Ideal for RF and oscillator coils in portable equipment and hybrid microcircuits.
- Versatile! Wide inductance range makes it suitable for a wide variety of applications.
- Low temperature coefficient core insures minimal frequency drift.
- Available with one internal capacitor (5 to 750pF) and up to five terminals for transformer windings or taps.
- Fixed drum and adjustable cup core ferrites provide precise tuning and protection against EMI.
- Adjustment range is ±2% frequency, ±4% inductance.
- Low profile, 4.8mm high.
- TOKO's exclusive threaded metallic shielding provides precise tolerances of settings and protection from electrostatic interference.
- High Q, typically 50, provides high performance for size.
- Coil form is specially designed with a high temperature material (UL 94V1), highly resistant to damage and distortion during soldering.
- TOKO features a unique manufacturing technique to create a smooth and consistent torque level between tuning core and coil form. Reduces core damage during alignment and firmly holds final setting.
- Package design is ideal for automatic assembly. Available on 12mm embossed tape reel.
- Operating Temperature −10°C to +60°C.
- Reflows at 235 to 245°C, 5 to 10 seconds, maximum
- Withstands Freon and Chlorothane degreasing.
- Available with up to 5 terminals for transformer winding or taps.

STANDARD DEVICES SELECTION GUIDE

The Part Numbers shown in the table below are standard devices, which are readily available. TOKO will design and manufacture modified and custom devices with specific characteristics to meet your requirements. If you do not find the device for your application in this catalog, please see Modified and Custom Request Form located in the rear of this catalog.

1. Rated DC Current and Self Resonance are for reference only.

TYPE 5CD

TOKO Part Number	Inductance (μH)	Q (min.)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated DC Current (mA) max.	Self Resonant Frequency (MHz) min.
303AN-1100 = S	1.0	40	7.96	0.7	200	224
303AN-1101 = S	1.2	40	7.96	0.7	200	220
303AN-1102 = S	1.5	40	7.96	0.7	200	185
303AN-1103 = S	1.8	40	7.96	0.7	200	127
303AN-1104 = S	2.2	40	7.96	0.7	200	114
303AN-1105 = S	2.7	40	7.96	0.7	200	100
303AN-1106 = S	3.3	40	7.96	0.7	200	65
303AN-1107 = S	3.9	40	7.96	1.0	200	63
303AN-1108 = S	4.7	40	7.96	1.2	200	52
303AN-1109 = S	5.6	40	7.96	1.4	200	52
303AN-1110 = S	6.8	40	7.96	1.4	200	46
303AN-1111 = S	8.2	40	7.96	1.4	200	45
303AN-1112 = S	10.0	40	7.96	1.7	200	36
303AN-1113 = S	12.0	40	2.52	1.7	176	31
303AN-1114 = S	15.0	40	2.52	2.1	155	27
303AN-1115 = S	18.0	40	2.52	2.1	164	26
303AN-1116 = S	22.0	40	2.52	2.6	144	21
303AN-1117 = S	27.0	40	2.52	3.1	127	19
303AN-1118 = S	33.0	40	2.52	3.5	111	16
303AN-1119 = S	39.0	40	2.52	3.7	96	16
303AN-1120 = S	47.0	40	2.52	4.2	94	13
303AN-1121 = S	56.0	40	2.52	4.6	90	12
303LN-1122 = S	68.0	25	2.52	2.8	15	44
303LN-1123 = S	82.0	25	2.52	3.1	14	39
303LN-1124 = S	100.0	30	.796	3.7	13	32

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TYPE 5CD

TOKO Part Number	Inductance (μH)	Q (min.)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated DC Current (mA) max.	Self Resonant Frequency (MHz) min.
303LN-1125 = S	120.0	30	.796	4.2	12	32
303LN-1126 = S	150.0	30	.796	4.7	10	28
303LN-1127 = S	180.0	30	.796	7.0	9	27
303LN-1128 = S	220.0	30	.796	7.7	8	23
303LN-1129 = S	270.0	30	.796	8.6	8	21
303LN-1130 = S	330.0	30	.796	9.8	7	16
303LN-1131 = S	390.0	30	.796	10.3	6	15
303LN-1132 = S	470.0	30	.796	11.7	5	13
303LN-1133 = S	560.0	30	.796	14.7	5	12
303LN-1134 = S	680.0	30	.796	18.2	4	12