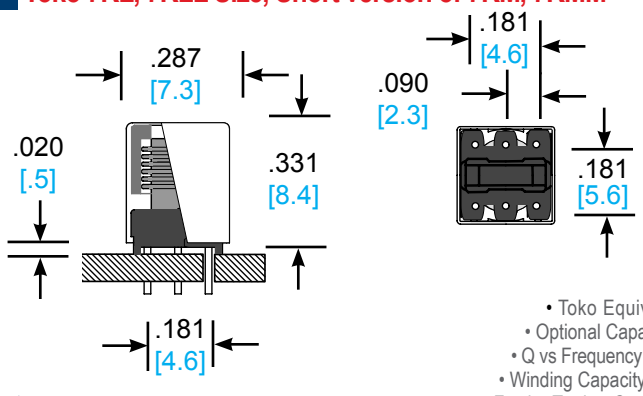
7mm Toko 7KL, 7KLL Size, Short version of 7KM, 7KMM

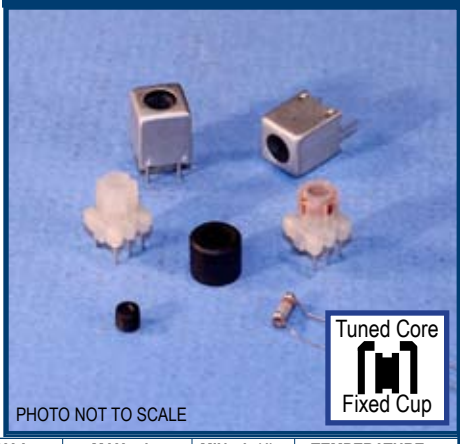
Inches/[mm]
±.010/[±.25]
2 x size



- Toko Equivalent Hardware
- Optional Capacitor Fits in Base
- Q vs Frequency Graph on Page 5
- Winding Capacity Table on Page 6
- Ferrite Tuning Core and Fixed Cup
- Quality Inspection Level: MIL-STD-1916 Level IV
- Available as: Un-wound Hardware or Complete Wound Coils

RoHS COMPLIANT
REACH

L30 SERIES

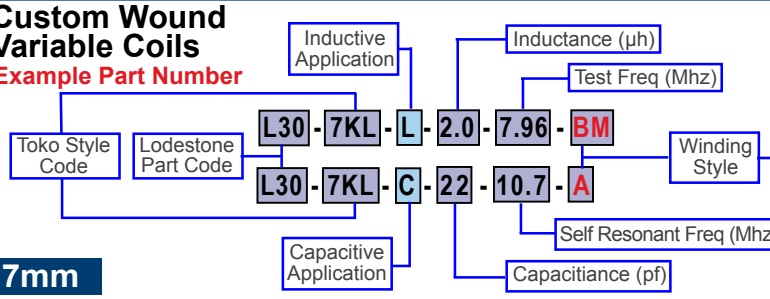


ASSEMBLY PART NO. (Un-Wound)	COLOR CODE	MAGNETIC MATERIAL(1)	FREQUENCY RANGE(2)	MATERIAL PERMEABILITY	ASSEMBLY A_L nH/turns² (3)	MAX µh 100 turns	MIN µh (4) 100 turns	TEMPERATURE STABILITY(5)
L30-53-BT-F-5	None	FERRITE 53	.05-2.0 MHz	44	10.4	104	44	1500 ppm/°C
L30-54-BT-F-5	None	FARRITE 54	2-200 MHz	25	14.8	148	71	1500 ppm/°C

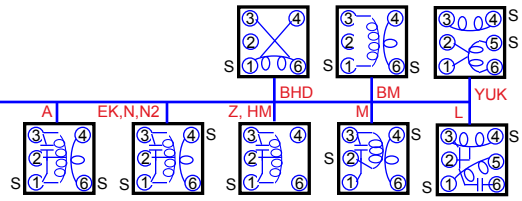
1) The ferrite materials are used in the tuning core and cup core.
2) This represents the frequency range for Q optimization in tuned or resonant circuits. The inductive properties of the material is effective over a considerably wider frequency range.
3) Nanohenries (10^{-9} Henries) per turn squared.
4) The minimum inductance is measured in microhenries (10^{-6} Henries) per 100 turns with the tuning core tuned out of the winding area but still a part of the assembly.
5) The temperature stability is of the magnetic material, measured in parts per million per degree Celsius (ppm/°C) on a toroidal core and winding. This is only an indication of the temperature stability for a complete wound assembly.

Custom Wound Variable Coils

Example Part Number



Test Frequencies (Mhz): 25.2 (0.1 to 1µh). 7.96 (1µh to 10µh). 2.52 (10 to 100µh) .796 (100µh to 1mh) .252 (1mh to10mh)

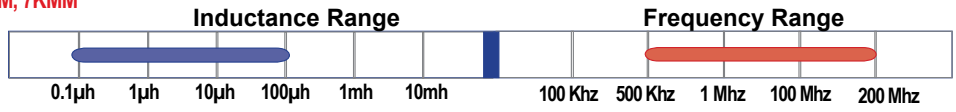


Internal Capacitors (pf): Selected to meet the specified self-resonant frequency

7mm

Toko 7KL, 7KLL Size, Short version of 7KM, 7KMM

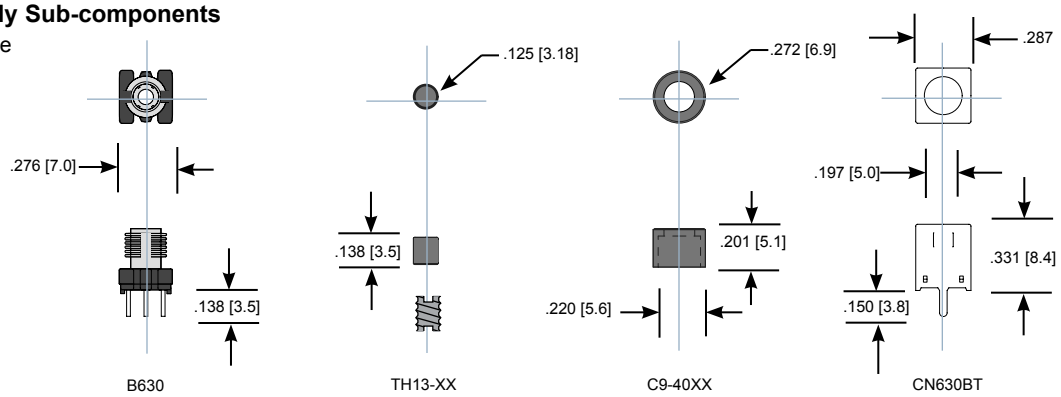
Custom Variable Coils are wound to your Inductance and Frequency Specifications, or with Capacitors to your Self-resonant Frequency Specifications.



Assembly Sub-components

Actual Size

Inches/[mm]
±.010/[±.25]



5 TERMINAL ASSEMBLY	BASE with COIL FORM (6)	COLOR CODE	THREADED CORE (8)	CUP CORE	SHIELD CAN
L30-53-BT-F-5	B630	None	TH13-53	C9-4053	CN6300BT
L30-54-BT-F-5	B630	None	TH13-54	C9-4054	CN6300BT

(6) "The base and coil form are one piece molded in Polymethylpentene (PMP). The 5 terminals are brass, .02 inches (0.5mm) in diameter,100% tin plated to meet MIL-STD 202 method 208 for solderability.
7) The ferrite tuning cores is 3.3mm metric, shallow thread.
8) The base has a cavity for an optional capacitor .236 [6mm] Long x .08 [2.1mm] Wide x .08 [2.1mm] Deep. Capacitors are not included.