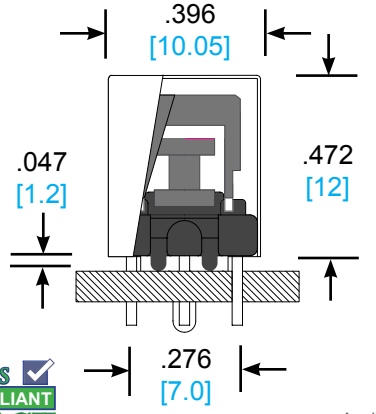
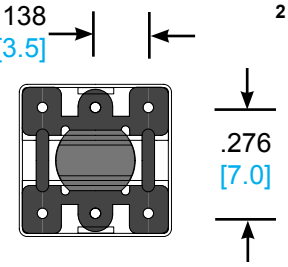
10mm Toko 10EZ Size

Inches/[mm]
±.010/[±.25]
2 x size





RoHS COMPLIANT REACH

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

L48 SERIES

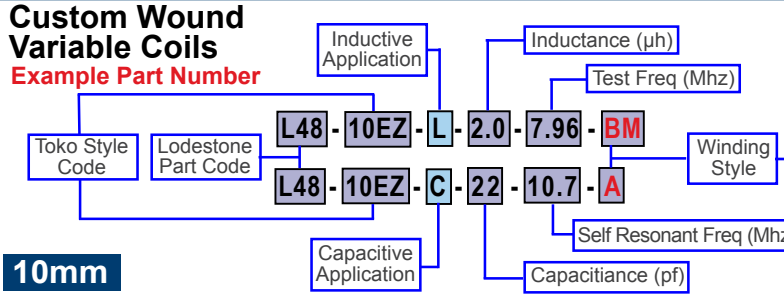
PHOTO NOT TO SCALE

ASSEMBLY PART NO.	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)
L48-51-BT-D-5	None	FERRITE 51	.05-2.0 MHz	300	83.2	832	340	1500 ppm/°C
L48-52-BT-D-5	None	FARRITE 52	2-150 MHz	60	33.7	337	173	1500 ppm/°C

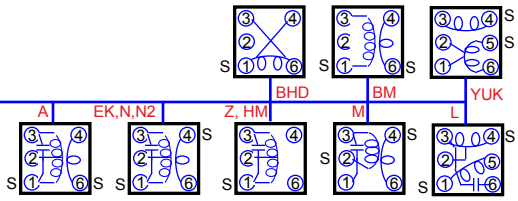
1) The ferrite materials are used in the drum core and cup core.
2) This represents the frequency range for Q optimization in tuned or resonant circuits. The inductive properties of the material is effective over a considerably wider frequency range.
3) Nanohenries (10^{-9} Henries) per turn squared.
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

10mm

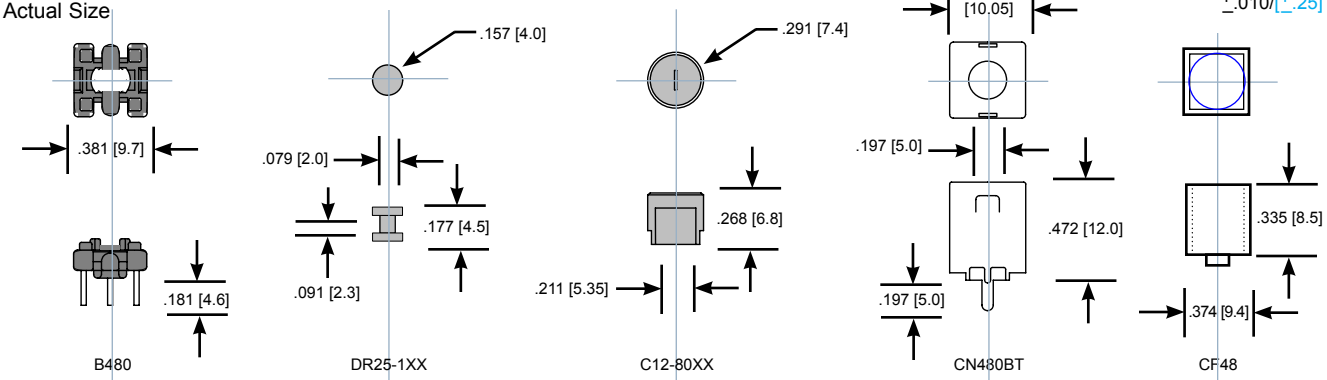
Toko 10EZ Size

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 DRUM CORE (6)	COLOR CODE	DRUM CORE (8)	CUP CORE	SHIELD CAN	CAN FORM
L48-51-BT-D-5	B480	None	DR25-151	C12-8051	CN480BT	CF48
L48-52-BT-D-5	B480	None	DR25-152	C12-8052	CN480BT	CF48

6) "The base is molded in a phenolic thermoset. The attached coilform is molded in polypropylene. The 5 terminals are brass, ".027 inches (0.7mm) in diameter, tin plated to meet MIL-STD 202 method 208 for solderability."
7) The ferrite drum core is attached to the thermoset base. 8) Threaded cup matches the interal threads in the Cup Form 9) The base has a cavity for an optional capacitor .250 [6.3mm] Long x .086 [2.2mm] Wide x .130 [3.7mm] Deep. Capacitors are not included.