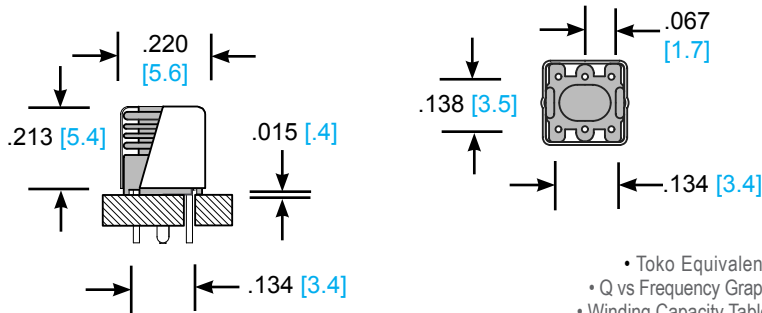


**5mm Toko 5K, 5KM, 5KR, 5KG Size**

Inches/[mm]  
±.010/[±.25]  
2 x size



**L20 SERIES**

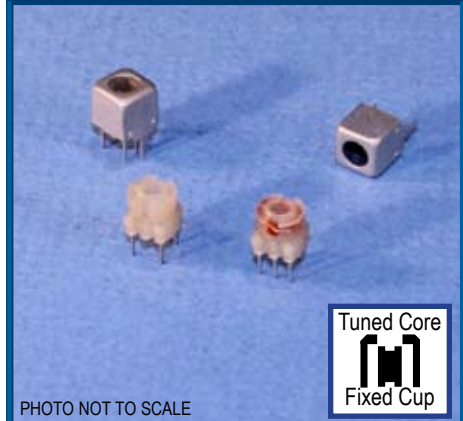


PHOTO NOT TO SCALE



- Toko Equivalent Hardware
- Q vs Frequency Graph on Page 5
- Winding Capacity Table on Page 6
- Ferrite Tuning Core, No Fixed Cup
- Quality Inspection Level: MIL-STD-1916 Level IV
- Available as: Un-wound Hardware or Complete Wound Coils

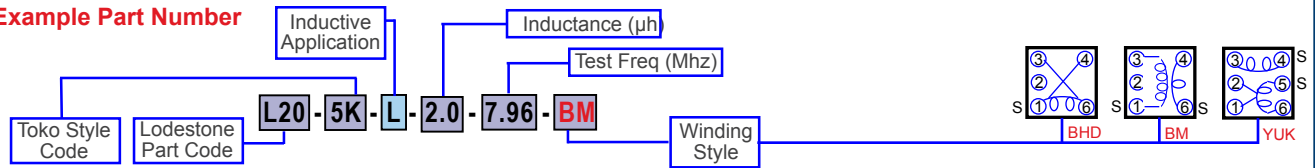
ASSEMBLY PART NO.	COLOR CODE	MAGNETIC MATERIAL(1)	FREQUENCY RANGE(2)	MATERIAL PERMEABILITY	ASSEMBLY AL nH/turns <sup>2</sup> (3)	MAX $\mu$ h 100 turns	MIN $\mu$ h (4) 100 turns	TEMPERATURE STABILITY(5)
L20-53-BT-D-5	None	FERRITE 51	.05-2.0 MHz	300	.41	41	28	1500 ppm/°C
L20-54-BT-D-5	None	FARRITE 52	2-150 MHz	60	.42	42	30	1500 ppm/°C

- The ferrite materials are used in the tuning core. This series does not offer a cup core.
- 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.
- Nanohenries ( $10^{-9}$  Henries) per turn squared.
- 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.
- 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

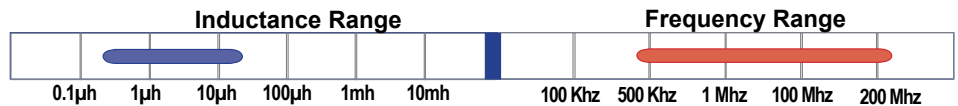
Test Frequencies (Mhz): 25.2 (0.1 to 1 $\mu$ h), 7.96 (1 $\mu$ h to 10 $\mu$ h), 2.52 (10 to 100 $\mu$ h), .796 (100 $\mu$ h to 1mh), .252 (1mh to 10mh)



**5mm**

Toko 5K, 5KM, 5KR, 5KG Size

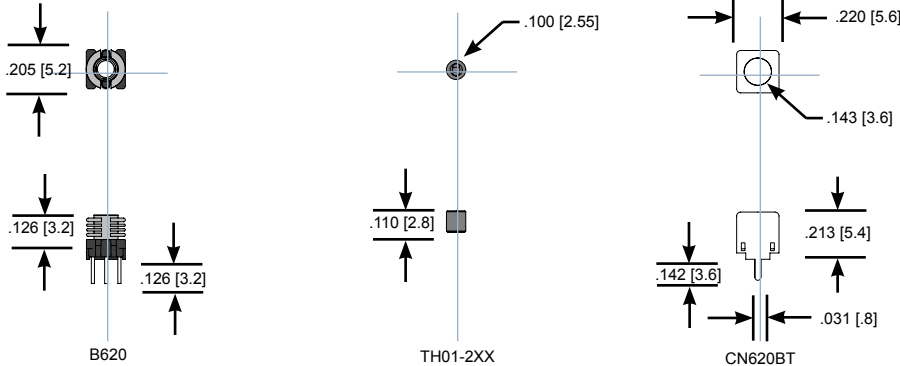
Custom Variable Coils are wound to your Inductance and Frequency Specifications. There is no room for an internal capacity in the L20 Series.



**Assembly Sub-components**

Actual Size

Inches/[mm]  
±.010/[±.25]



5 TERMINAL ASSEMBLY	BASE and COILFORM	COLOR CODE	TUNING CORE (8)	SHIELD CAN
L20-52-BT-D-5	B620	None	TH01-253	CN480BT
L20-53-BT-D-5	B620	None	TH01-254	CN480BT

- The base and coil form are one piece molded in Polymethylpentene (PMP). The 5 terminals are brass, .016 inches (0.4mm) in diameter, 100% tin plated to meet MIL-STD 202 method 208 for solderability.
- The base does not have space for an internal capacitor.
- A ferrite shield cup is not part of this assembly.