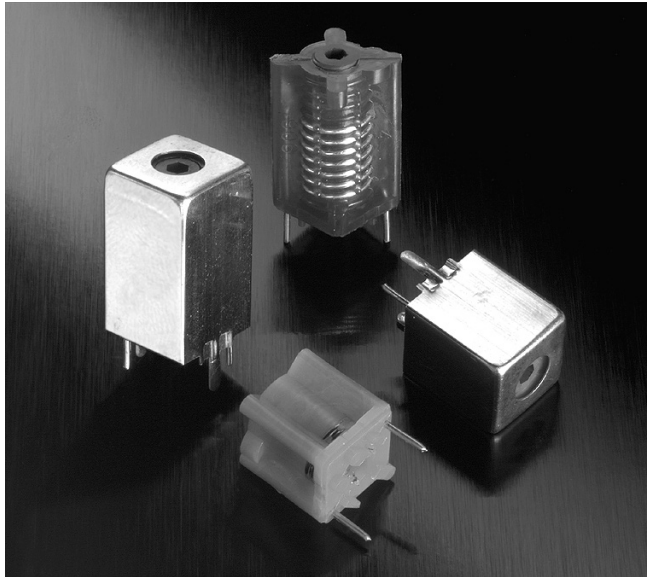


10 mm Tunable Coils - 142, 143, 144



These Coilcraft variable inductors are precision molded in plastic to ensure constant winding pitch and a consistent relationship to the printed circuit board.

Extremely economical, even in small quantities, the coils come in standard inductance values from 0.05 μ H to 1.5 μ H. 144 Series parts are also available with a tap to meet specific requirements.

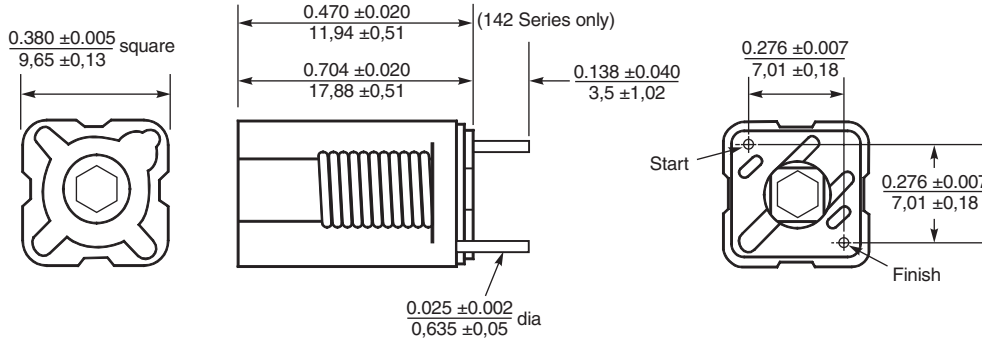
Tuning is done by means of a threaded powdered iron core with a hex socket for easy, positive adjustment. Plated brass shield cans with solderable tabs are optional.

These parts can be ordered without cores for use as fixed inductors.

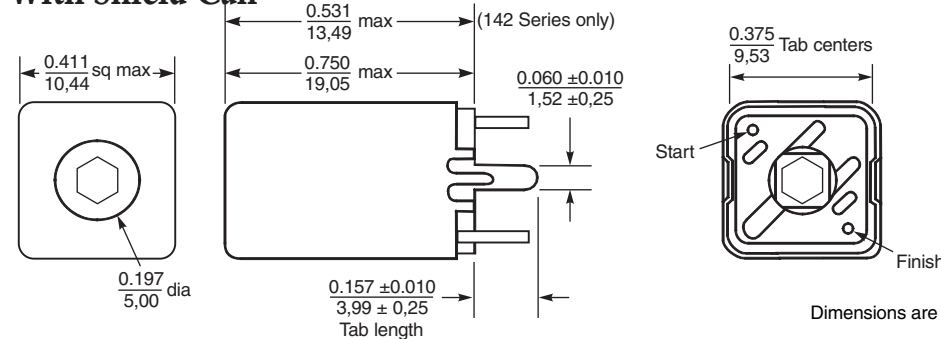
Coilcraft **Designer's Kit M302** contains samples of all standard 10 mm and 7 mm tunable inductors. To order, contact Coilcraft or visit <https://www.coilcraft.com> to purchase on-line.



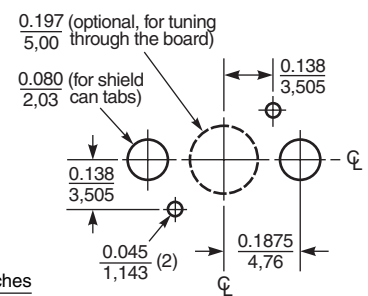
Unshielded Styles



With Shield Can



Recommended Board Layout



Terminations: Series 142 and 143 leads: Tin-silver over copper
Series 144 leads: Matte tin over copper
Shield can tabs: Tin-silver over nickel over brass

Resistance to soldering heat: Wave solder only. Recommended maximum board surface temperature of 168°C (334°F) for no more than three seconds. Pre-heating is recommended to minimize time over the solder nozzle.

	Unshielded	With shield can
Weight:	142 series 1.39 – 1.82 g 143 series 1.75 – 2.40 g 144 series 1.22 – 1.74 g	1.64 – 2.16 g 2.85 – 3.54 g 2.35 – 2.91 g
Packaging:	50 per tube	50 per tube



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