Phone (714) 970-0900
Fax (714) 970-0800

L43 SERIES

11mm

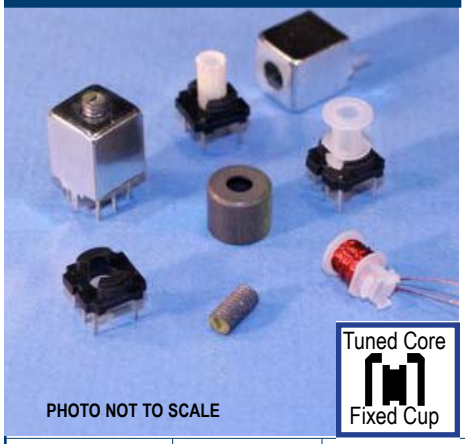
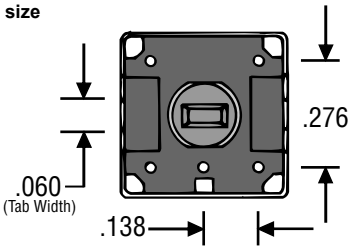
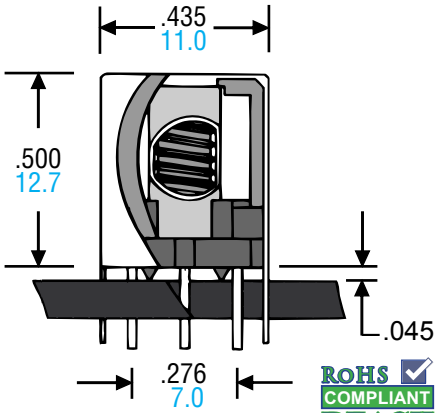


PHOTO NOT TO SCALE

Tuned Core
Fixed Cup

Inches/[mm]
±.010/[±.25]
2 x size





- Stable Inductance
- Very High and Stable Q
- Superior Temperature Stability
- Q vs Frequency Graph on Page 5
- Winding Capacity Table on Page 6
- Available as: Un-wound Hardware Only
- Quality Inspection Level: MIL-STD-1916 Level IV

RoHS COMPLIANT
REACH

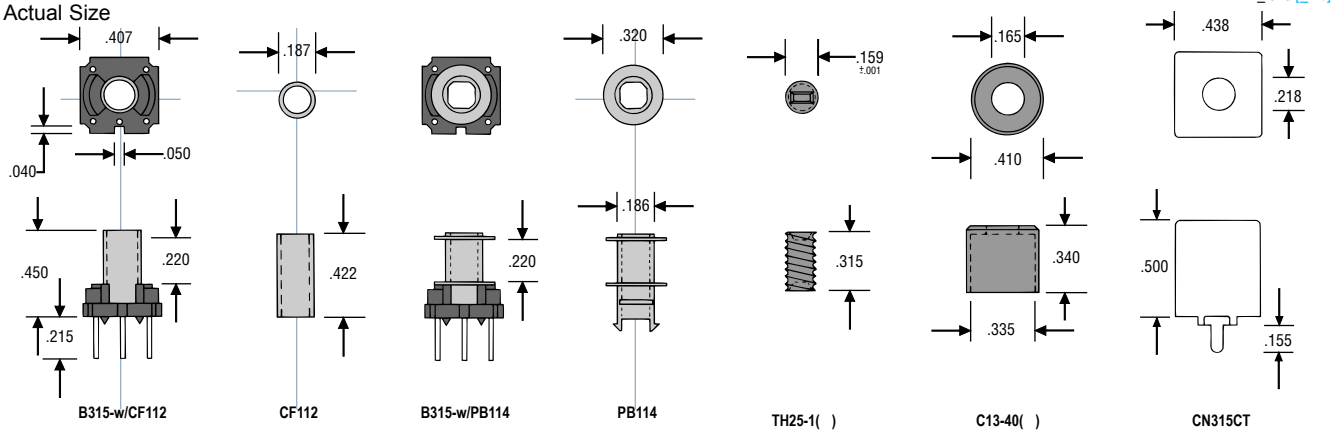
ASSEMBLY PART NO.	COLOR CODE	MAGNETIC MATERIAL(1)	FREQUENCY RANGE(2)	MATERIAL PERMEABILITY	ASSEMBLY A_L nH/turns² (3)	MAX µh 100 turns	MIN µh (4) 100 turns	TEMPERATURE STABILITY(5)
L43-1-CT-F-5	BLUE	CARBONYL C	.15-2.0 MHz	20.0	11.5	115	54	280 ppm/°C
L43-2-CT-F-5	RED	CARBONYL E	.25-10 MHz	10.0	9.8	98	48	95 ppm/°C
L43-3-CT-F-5	GREY	CARBONYL HP	.02-1.0 MHz	35.0	13.3	133	60	370 ppm/°C
L43-6-CT-F-5	YELLOW	CARBONYL SF	2.0-50 MHz	8.5	8.5	85	44	35 ppm/°C
L43-10-CT-F-5	BLACK	CARBONYL W	10-100 MHz	6.0	7.2	72	43	150 ppm/°C
L43-17-CT-F-5	LAVENDER	CARBONYL	20-200 MHz	4.0	5.6	56	43	50 ppm/°C

1) The iron powder or 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.

Assembly Sub-components

Actual Size

Inches/[mm]
±.010/[±.25]



5 TERMINAL ASSEMBLY	BASE ONLY (6)	COIL FORM (7)	BASE ASSEMBLY	COLOR CODE	TUNNING CORE (8)	CUP CORE	SHIELD CAN
L43-1-CT-F-5	B315	CF112	B315-w/CF112	BLUE	TH25-101	C13-4001	CN315CT
L43-2-CT-F-5	B315	CF112	B315-w/CF112	RED	TH25-102	C13-4002	CN315CT
L43-3-CT-F-5	B315	CF112	B315-w/CF112	GREY	TH25-103	C13-4003	CN315CT
L43-6-CT-F-5	B315	CF112	B315-w/CF112	YELLOW	TH25-106	C13-4006	CN315CT
L43-7-CT-F-5	B315	CF112	B315-w/CF112	WHITE	TH25-107	C13-4007	CN315CT
L43-10-CT-F-5	B315	CF112	B315-w/CF112	BLACK	TH25-110	C13-4010	CN315CT
L43-17-CT-F-5	B315	CF112	B315-w/CF112	LAVENDER	TH25-117	C13-4017	CN315CT
L43-50-CT-F-5	B315	CF112	B315-w/CF112	ORANGE	TH25-150	C13-4003	CN315CT
L43 WITH SNAP IN NYLON BOBBIN							
L43-( )-CT-B-5	B315	PB114	B315-W/PB114	AS ABOVE	TH25-1( )	C13-40( )	CN315CT

6) The base is moulded from thermoset Diallyl Phthalate (DAP). The 5 terminals available are half hard copper, .025 inches in diameter, tin plated to MIL-STD 202 Method 208 for solderability.
7) The CF112 coil form is a glass reinforced polyester tube with 8-32 internal threads. The PB114 snap in bobbin is self threading nylon 6/6.
8) The tuning core is 8-32 shallow thread coated with Teflon.

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