


## L335 SERIES



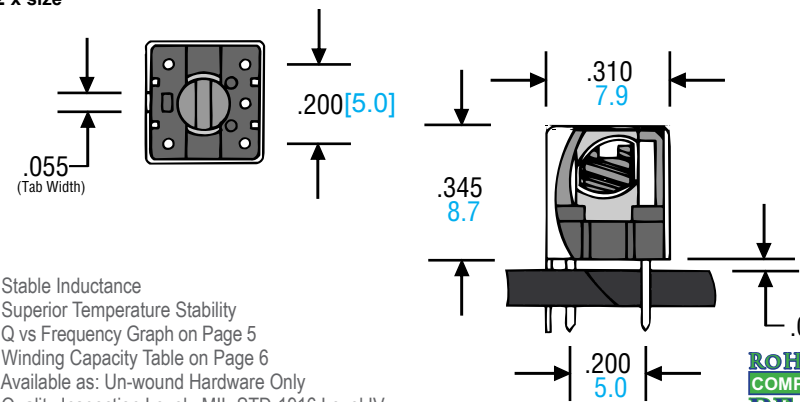
Tuned Core  
Fixed Cup

PHOTO NOT TO SCALE

8mm

Inches/[mm]  
±.010/[±.25]

2 x size



- Stable Inductance
- 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

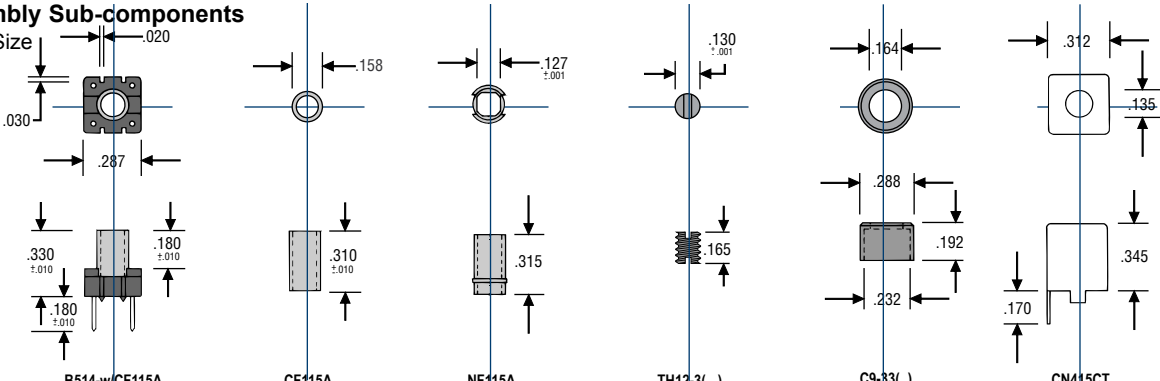
ROHS COMPLIANT REACH

ASSEMBLY PART NO.	COLOR CODE	MAGNETIC MATERIAL (1)	FREQUENCY RANGE (2)	MATERIAL PERMEABILITY	ASSEMBLY AL. nH/turns <sup>2</sup> (3)	MAX μH 100 turns	MIN μH (4) 100 turns	TEMPERATURE STABILITY (5)
L335-1-CT-F-4	BLUE	CARBONYL C	.15-2.0 MHz	20.0	7.4	74	45	280 ppm/°C
L335-2-CT-F-4	RED	CARBONYL E	.25-10 MHz	10.0	6.8	68	45	95 ppm/°C
L335-3-CT-F-4	GREY	CARBONYL HP	.02-1.0 MHz	35.0	7.8	78	46	370 ppm/°C
L335-6-CT-F-4	YELLOW	CARBONYL SF	2.0-50 MHz	8.5	6.1	61	38	35 ppm/°C
L335-7-CT-F-4	WHITE	CARBONYL TH	1.0-20 MHz	9.0	6.4	64	40	30 ppm/°C
L335-10-CT-F-4	BLACK	CARBONYL W	10-100 MHz	6.0	5.7	57	37	150 ppm/°C
L335-17-CT-F-4	LAVENDER	CARBONYL	20-200 MHz	4.0	5.2	52	37	50 ppm/°C

1) The iron powder 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<sup>-9</sup> Henries) per turn squared.  
 4) The minimum inductance is measured in microhenries (10<sup>-6</sup> 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



4 TERMINAL ASSEMBLY	BASE ONLY (6)	WINDING FORM (7)	BASE ASSEMBLY	COLOR CODE	THREADED CORE (8)	CUP CORE	SHIELD CAN
L335-1-CT-F-4	B514	CF115A	B514-w/CF115A	BLUE	TH12-301	C9-3301	CN415CT
L335-2-CT-F-4	B514	CF115A	B514-w/CF115A	RED	TH12-302	C9-3302	CN415CT
L335-3-CT-F-4	B514	CF115A	B514-w/CF115A	GREY	TH12-303	C9-3303	CN415CT
L335-6-CT-F-4	B514	CF115A	B514-w/CF115A	YELLOW	TH12-306	C9-3306	CN415CT
L335-7-CT-F-4	B514	CF115A	B514-w/CF115A	WHITE	TH12-307	C9-3307	CN415CT
L335-10-CT-F-4	B514	CF115A	B514-w/CF115A	BLACK	TH12-310	C9-3310	CN415CT
L335-17-CT-F-4	B514	CF115A	B514-w/CF115A	LAVENDER	TH12-317	C9-3317	CN415CT
<b>5 TERMINAL ASSEMBLY</b>							
L335(-)CT-F-5	B515	CF115A	B515-w/CF115A	AS ABOVE	TH12-3( )	C9-33( )	CN415CT
<b>L335 WITH NYLON COILFORM AND 4 OR 5 TERMINALS</b>							
L335(-)CT-NF-4	B514	NF115A	B514-w/NF115A	AS ABOVE	TH12-3( )	C9-33( )	CN415CT
L335(-)CT-NF-5	B515	NF115A	B515-w/NF115A	AS ABOVE	TH12-3( )	C9-33( )	CN415CT

6) The base is moulded from theroset Diallyl Phthalate (DAP). The 4 or 5 terminals available are half hard brass, .024 inches in diameter, tin plated to MIL-STD 202 Method 208 for solderability. Optional base B524 is available with .050 standoffs.  
 7) The CF115A coil form is a glass reinforced polyester tube with 6-32 internal threads. The NF coil form is self threading nylon 6/6.  
 8) The tuning core is 6-32 shallow thread coated with Teflon.