## Phone (714) 970-0900

## Fax (714) 970-0800

## LODESTONE PACIFIC

SHIELDED COIL FORMS

F0

10.5mm			.540 13.7	→ Incr +.0	→ <sup>Inches/[mm]</sup> ±.010/[±.25] L42 SERIES			ES
All And All								
ASSEMBLY PART NO.	COLOR CODE	MAGNETIC MATERIAL(1)	FREQUENCY RANGE(2)	MATERIAL PERMEABILITY	ASSEMBLY A∟ nH/turns <sup>2</sup> (3)	MAX µh 100 turns	MIN µh (4) 100 turns	TEMPERATURE STABILITY(5)
L42-2-CT-F-2 L42-3-CT-F-2	RED GREY	CARBONYL E CARBONYL HP	.25-1- MHZ .02-1.0 MHZ	10.0 35.0	12.5 20.4	125 204	52 64	95 ppm/°C 370 ppm/°C
L42-6-CT-F-2	YELLOW	CARBONYL E	2.0-50 MHZ	8.5	11.5	115	47	35 ppm/°C
L42-10-CT-F-2 L42-17-CT-F-2	BLACK LAVENDER	CARBONYL E CARBONYL E	10-100 MHZ 20-200 MHZ	6.0 4.0	10 6.7	100 67	46 45	150 ppm/°C 50 ppm/°C
<ol> <li>The iron powder or fermination</li> <li>This represents the free of the material is effect</li> <li>Nanohenries (10<sup>-9</sup> Henitic)</li> </ol>	rite materials are used in the quency range for Q optimiz tive over a considerably wid ries) per turn squared.	he tuning core and cup core. ation in tuned or resonant circui der frequency range.	ts. The inductive properties	4) The minimum indu- out of the winding 5) The temperature Celsius (ppm/ <sup>O</sup> C	uctance is measured in mic area but still a part of the stability is of the man ) on a toroidal core an	crohenries (10 <sup>-6</sup> Henri assembly. gnetic material, me nd winding. This is	es) per 100 turns w asured in parts p only an indicatio	ith the tuning core tuned per million per degree on of the temperature

stability for a complete wound assembly.



L42 WITH SNAP IN NYLON BOBBIN TH23-4() L42-( )-CT-B-2 B342-w/CF120 B342 B342-w/PB142 AS ABOVE 6) The base is molded in Rynite. The base will position two tinned winding leads up to #24 AWG (.200 Dia.) for IR reflow surface mounting directly to the printed circuit board. The CF120 coilform is glass reinforced polyester tube with 8-32 internal threads. Coplanearity is not an issue due to three contact points. 7) The optional PB142 snap in bobbin is self threading polypropylene. To order, substitute "B" for "F" in the assembly part number.

B342

B342

The tuning core is a 8-32 shallow thread coated with Teflon.

TH23-410

TH23-417

C12-4210

C12-4217

C12-42()

BLACK

LAVENDER

L42-10-CT-F-2

L42-17-CT-F-2

B342-w/CF120

B342-w/CF120

B342-w/PB142

B342-w/PB142

CN342CT

CN342CT

CN342CT