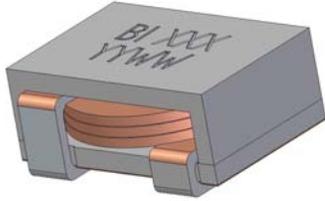


**New**

## High Current Low profile low Loss Ferrite Cube SMD Inductor

- Operating Temperature Range -40°C to +130°C



### Features

- Low DCR
- High Q over 1MHz
- High saturation current
- Suitable for DC/DC, POL, VRM Modules.
- Composite ferrite, low loss

### Specifications @25°C

Part Number	Inductance (μH)	L <sub>Rated</sub> (μH)	I <sub>Sat</sub> (A)	DCR (mΩ)		Ht (C)
	± 10 %	Typical		Typ.	Max	Max
HM36-12111R0LF	1.00	0.92	25.0	1.40	1.70	6.50
HM36-12111R4LF	1.40	1.30	20.0	1.40	1.70	6.50
HM36-12111R5LF	1.50	1.40	18.0	1.80	2.20	5.60
HM36-12113R6LF	3.60	3.42	12.0	3.00	3.50	7.50
HM36-1311R95LF	0.95	0.80	25.0	1.20	1.40	5.65
HM36-13111R4LF	1.40	1.25	22.0	1.60	1.80	5.95
HM36-13112R4LF	2.40	2.10	16.5	2.40	3.20	5.95
HM36-13116R0LF	6.00	5.20	12.0	4.60	4.92	8.00

**Notes:**

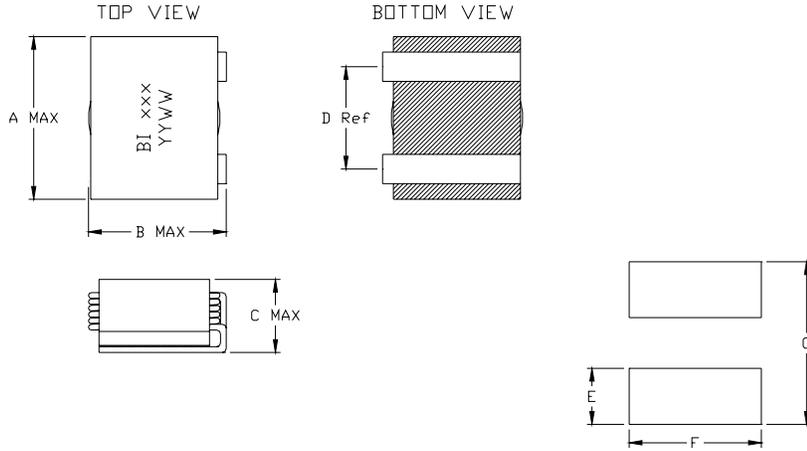
- Test parameters: 100KHz, 0.1Vrms, 0A.
- DC Resistance is measured at 25°C.
- I<sub>sat</sub> DC Current is the approximate current at which inductance will be decreased by 20 % from its initial (zero DC) value.

### Packaging

**STANDARD:** Tape and Reel packaging

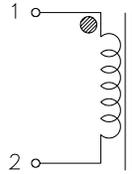
Quantity per reel	
12111R0LF ~ 1R5LF	600 PCs
1311R95LF ~ 2R4LF	600 PCs
12113R6LF	500 PCs
13116R0LF	400 PCs

## Outline Dimensions (mm)

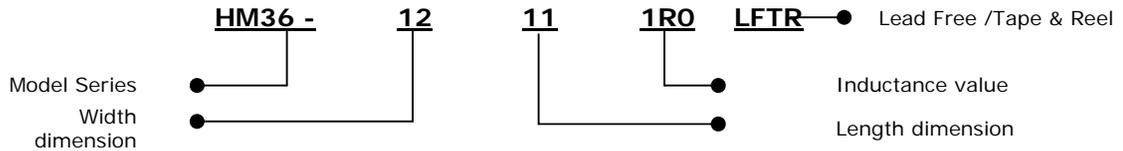


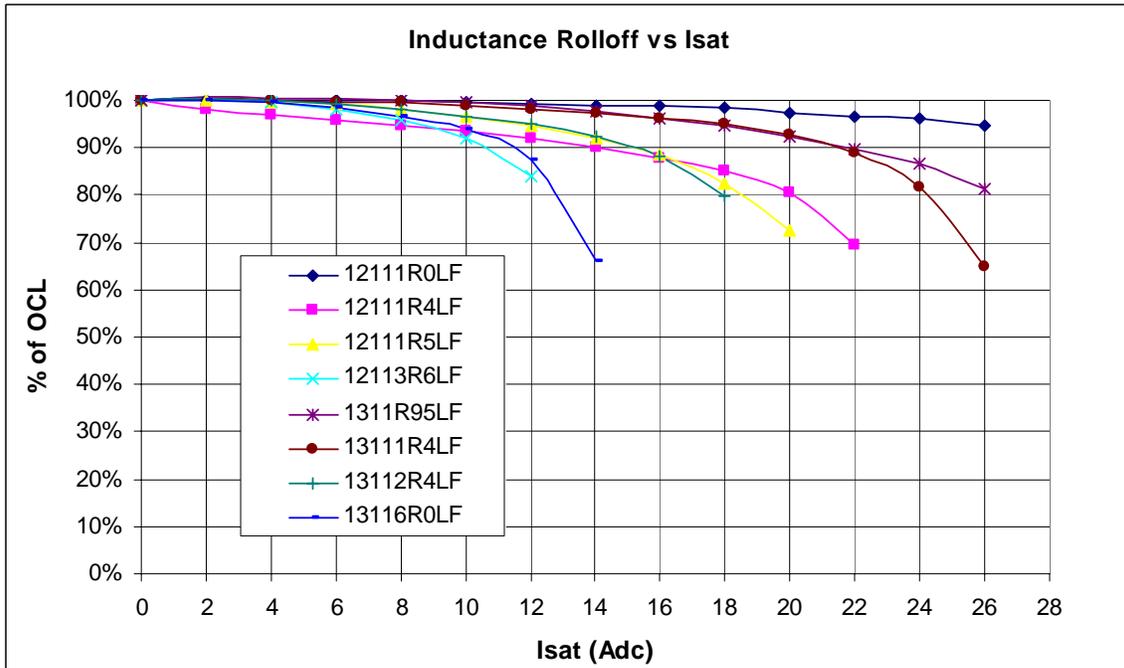
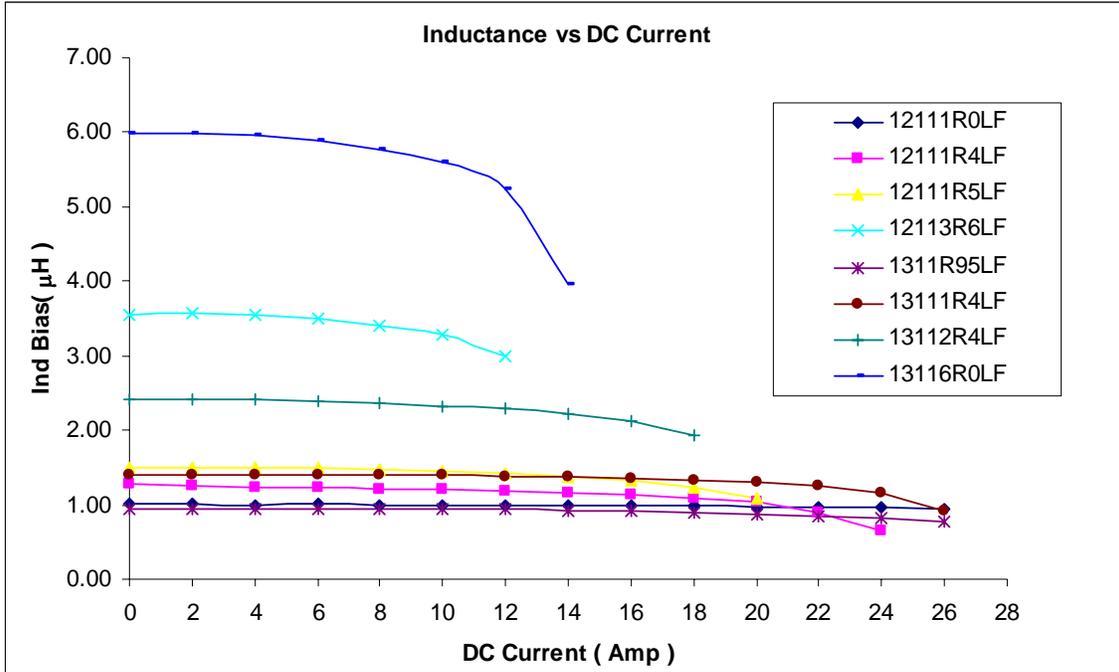
CASE SIZE	A	B	D	E	F	G
-1211xxx	12.5	10.5	7.3	2.9	10.5	10.2
-1311xxx	13.1	11.0	8.1	4.0	10.4	12.8

## Schematics Diagrams 25°C



## Ordering Information





Revision	Description of change	Date
1.0	Initial release	30 <sup>th</sup> -Apr-07
1.1	Add new model 1311R95LF and 13116ROLF	13 <sup>th</sup> -Jul-07
1.2	Add Lvs I graph Revised 13116ROLF bias current from 10A to 12A	10 <sup>th</sup> -Sep-07