



Part number	L0(μH) Inductance ±20% @0A(μH)	Rdc (mΩ) @25°C		Heat Rating	Saturation
		Typ.	Max.	Current DC Amps. Idc (A)	Current DC Amps Isat (A)
MCF-1350-R36-N2	0.36	0.77	1.10	41.00	60.00
MCF-1350-R47-N2	0.47	1.00	1.40	35.00	56.00
MCF-1350-R56-N2	0.56	1.2	1.50	36.0	50
MCF-1350-R68-N2	0.68	1.3	1.50	32.0	40
MCF-1350-1R0-N2	1.00	1.90	2.20	26.00	35.00
MCF-1350-1R5-N2	1.50	2.70	3.20	23.00	32.00
MCF-1350-2R2-N2	2.20	4.00	5.00	15.00	25.00
MCF-1350-3R3-N2	3.30	7.50	9.00	12.00	23.00
MCF-1350-4R7-N2	4.70	12.00	14.00	11.00	17.00
MCF-1350-5R6-N2	5.60	13.00	15.00	10.50	15.00
MCF-1350-6R8-N2	6.80	15.00	18.00	10.00	14.00
MCF-1350-8R2-N2	8.20	17.00	20.00	9.00	13.00
MCF-1350-100-N2	10.00	22.00	25.00	8.00	12.00

※Note:

- All test data is reference to 25°C ambient.
- Test Condition: 100KHz, 1.0Vrms
- Idc: DC current (A) that will cause an approximate ΔT of 40°C
- Isat : DC current (A) that will cause L0 to drop approximately 30%
- Operat between temperature range -55°C to +125°C

The part temperature (ambient + temp rise) should not exceed 125°C under the worst case operating conditions.Circuit design, component.PWB trace size and thickness, airflow and other cooling provision all affect the part temperature.Part temperature should be verified in the end application.

- The rated current as listed is either the saturation current or the heating current depending on which value is lower.

※ Regulation of Part number

$$\overset{\textcircled{1}}{MC} \overset{\textcircled{2}}{F} = \overset{\textcircled{3}}{1350} = \overset{\textcircled{4}}{2R2} = \overset{\textcircled{5}}{N} \overset{\textcircled{6}}{2}$$

① Molding Choke;

② Mold Categories:F;

③ Dimensions(unit:mm):13.0x13.0x5.0;

④ Inductance Value:2R2=2.2μH;

⑤ The Material Code;

⑥ Material Type;

※ Features

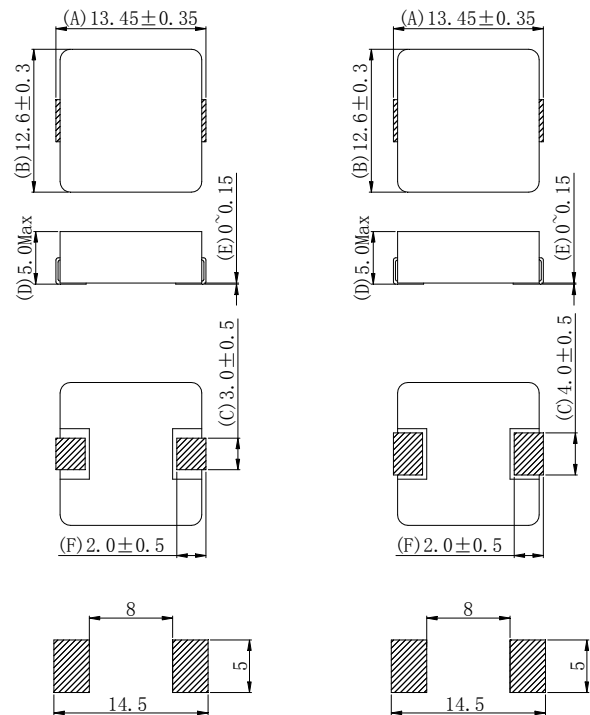
- High performance (Isat) realizde by metal dust core.
- Low profile:Thickness max.5.0mm
- Low loss and low resistance
- Capable of corresponding high frequency (1MHz)
- 100% lead (Pb) free meet RoHS s



※ Application

- DC/DC converters for laptop motherboards/CPU
- Thin type of on-board power supply module for
Voltage regulator VRM for server

※ Dimensions in inches (unit:mm)



Suggested pad layout
Dimensions are in mm

the diagram above applies
to values 2.2uH and below

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