



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-1050-R22-N2	0.22	0.67	0.80	37.00	60.00
MCF-1050-R26-N2	0.26	0.90	1.00	35.00	60.00
MCF-1050-1R0-N2	1.00	2.30	2.60	19.00	29.00
MCF-1050-1R2-N2	1.20	2.80	3.10	18.00	28.00
MCF-1050-1R5-N2	1.50	3.30	3.80	16.00	26.00
MCF-1050-2R2-N2	2.20	5.40	6.00	13.00	20.00
MCF-1050-3R3-N2	3.30	9.30	11.00	12.00	16.00
MCF-1050-4R7-N2	4.70	12.50	15.00	9.00	15.00
MCF-1050-6R8-N2	6.80	16.00	18.50	8.50	14.00
MCF-1050-100-N2	10.00	25.00	28.00	8.00	10.00
MCF-1050-220-N2	22.00	45.00	50.00	5.50	6.00
MCF-1050-330-N2	33.00	70.00	76.00	4.50	5.00

※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

MC F = 1050 = 2R2 = N 2
① ② ③ ④ ⑤ ⑥

- ① Molding Choke;
- ② Mold Categories:F;
- ③ Dimensions(unit:mm):10.0x10.0x5.0;

- ④ Inductance Value:2R2=2.2μH;
- ⑤ The Material Code;
- ⑥ Material Type;

※ Features

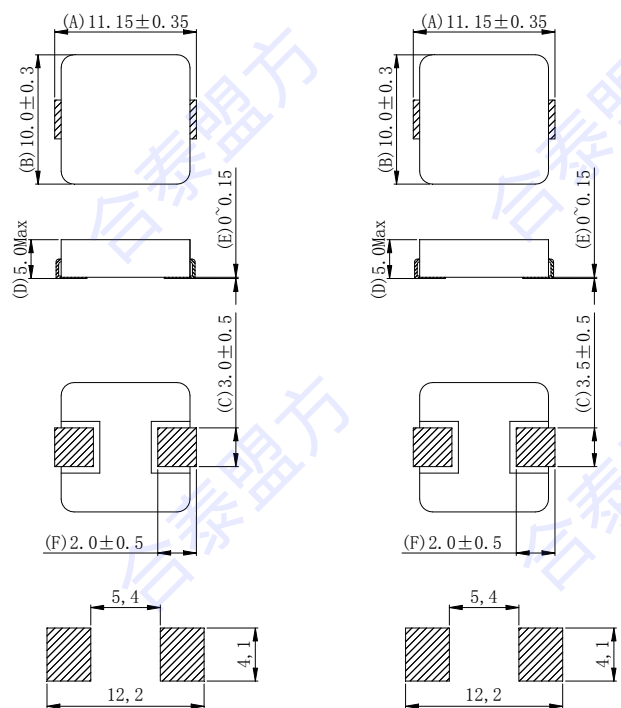
- High performance (Isat) realizde by metal dust core.
- Low profile:Thickness max.5.0mm
- Low loss and low resistance
- Capable of corresponding high frequency (1MHz)
- 100% lead (Pb) free meet RoHS s



※ 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

Suggested pad layout
Dimensions are in mm

the diagram above applies
to values 0.56uH and
above

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to values 0.56uH and below

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