



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-1335-R22-N2	0.22	1.00	1.20	38.00	55.00
MCF-1335-R56-N2	0.56	1.70	2.00	29.00	44.00
MCF-1335-R68-N2	0.68	2.00	2.30	28.00	42.00
MCF-1335-R82-N2	0.82	2.50	2.90	25.00	37.00
MCF-1335-1R0-N2	1.00	3.00	3.40	24.00	34.00
MCF-1335-1R2-N2	1.20	3.30	3.80	20.00	27.00
MCF-1335-1R5-N2	1.50	4.10	4.70	18.00	26.00
MCF-1335-2R2-N2	2.20	6.00	6.90	14.00	20.00
MCF-1335-3R3-N2	3.30	8.30	9.50	13.00	16.00
MCF-1335-4R7-N2	4.70	15.00	17.00	9.00	15.00
MCF-1335-5R6-N2	5.60	18.30	19.00	8.00	14.00
MCF-1335-6R8-N2	6.80	19.80	22.00	7.00	13.00
MCF-1335-8R2-N2	8.20	24.80	28.00	6.50	12.00
MCF-1335-100-N2	10.00	26.00	29.00	6.00	10.00

※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 = 1335 = 2R2 = N 2  
① ② ③ ④ ⑤ ⑥

① Molding Choke;

② Mold Categories:F;

③ Dimensions(unit:mm):13.0x13.0x3.5;

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.3.5mm
- Low loss and low resistance
- Capable of corresponding high frequency (1MHz)
- 100% lead (Pb) free meet RoHS s

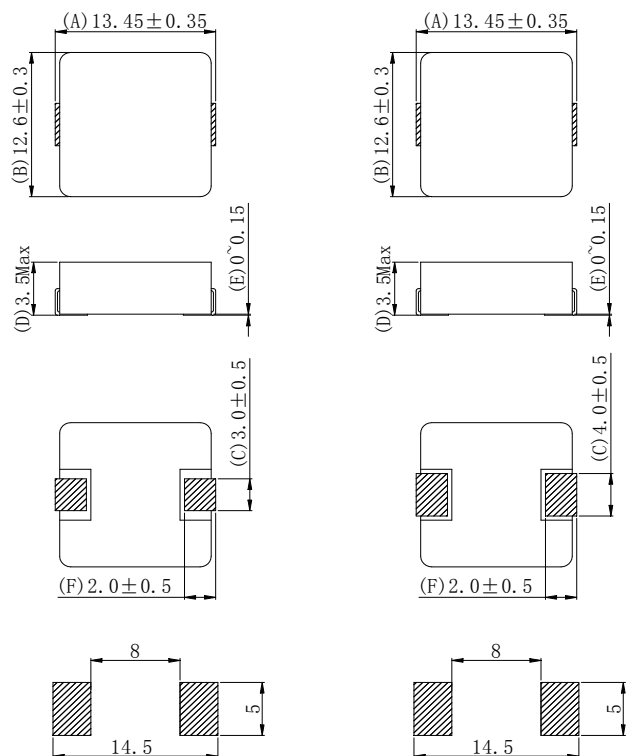


※ Application

- 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 1.0uH and above

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