

Power Choke Coil CMMB063T type

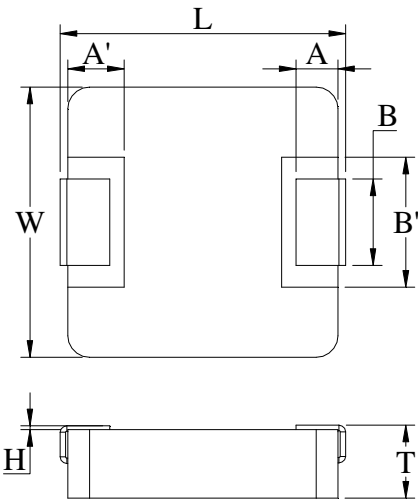
Features

- High performance (Isat) realized by metal dust core.
- Low profile : Thickness max. 3.0mm
- Low loss realized with low DCR
- Capable of corresponding high frequency (1MHz)
- 100% lead (Pb) free meet RoHS standard

Application

- DC/DC converter for CPU in Notebook PC
- Thin type on-board power supply module for exchanger
- VRM for server

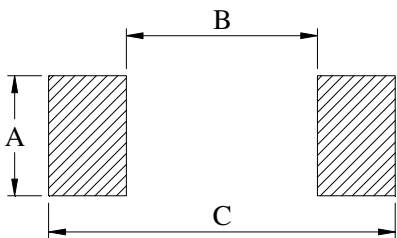
Outline Dimensions



Code	Dimensions (mm)
L	6.95 ± 0.35
W	6.6 ± 0.2
T	2.8 ± 0.2
A	1.6 ± 0.3
A'	2.0 ± 0.1
B	3.0 ± 0.3
B'	3.6 ± 0.2
H	0 ~ +0.15

Recommend Land Pattern Dimensions

The customer shall determine the land dimensions shown below after confirming and safety.



A	3.5
B	3.7
C	8.4

Unit : mm

■ Specifications

Part Number	L0 Inductance (μ H) @ (0A)	R _{dc} (m Ω)		Heat Rating Current DC Amps. Idc (A)		Saturation Current DC Amps. Isat (A)	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
CMMB063T-R10MS	0.10	0.81	0.99	40.0	35.0	60.2	48.0
CMMB063T-R15MS	0.15	1.8	2.4	30.0	25.0	41.0	35.0
CMMB063T-R20MS	0.20	2.2	3.0	26.0	22.0	38.0	33.0
CMMB063T-R22MS	0.22	2.3	3.0	25.0	21.0	35.0	32.0
CMMB063T-R33MS	0.33	2.7	3.3	22.0	20.0	26.0	22.0
CMMB063T-R36MS	0.36	3.2	3.8	20.0	18.0	24.5	22.0
CMMB063T-R47MS	0.47	3.48	4.1	18.0	16.0	21.0	17.8
CMMB063T-R56MS	0.56	3.88	4.5	16.5	15.0	20.0	16.0
CMMB063T-R68MS	0.68	4.75	5.3	16.0	14.5	19.0	15.0
CMMB063T-R82MS	0.82	5.38	6.0	14.0	13.0	17.0	14.0
CMMB063T-1R0MS	1.0	6.6	7.25	13.0	11.2	16.5	13.5
CMMB063T-1R2MS	1.2	7.7	8.6	11.7	10.1	14.5	12.5
CMMB063T-1R5MS	1.5	9.1	10.5	10.0	9.5	14.2	12.0
CMMB063T-2R2MS	2.2	13.4	15.0	8.5	8.0	12.5	10.5
CMMB063T-3R3MS	3.3	17.9	22.0	7.2	6.2	9.6	8.5
CMMB063T-4R7MS	4.7	27.9	33.0	6.0	5.5	6.55	5.5
CMMB063T-5R6MS	5.6	35.5	41.0	5.7	5.0	6.35	5.05
CMMB063T-6R8MS	6.8	42.0	48.0	4.7	4.2	6.3	5.0
CMMB063T-8R2MS	8.2	53.9	60.0	4.5	3.8	6.05	4.92
CMMB063T-100MS	10.0	60.0	68.0	4.0	3.5	5.6	4.9
CMMB063T-220MS	22.0	179.5	200.0	2.3	2.0	3.1	2.5
CMMB063T-330MS	33.0	274.0	284.0	2.1	1.8	2.3	2.0

*: If you require another part number please contact with us.

**:Inductance Tolerance $\pm 20\%$

Note 1. : All test data is referenced to 25°C ambient.

Note 2. : Test Condition:100KHz, 1.0Vrms

Note 3. : Idc : DC current (A) that will cause an approximate ΔT of 40°C

Note 4. : Isat : DC current (A) that will cause L0 to drop approximately 30%

Note 5. : Operating Temperature Range -55°C to + 125°C

Note 6. : The part temperature (ambient + temp rise) should not exceed 125°C under the worst case operating conditions. Circuit design , component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

Note 7. : The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Current Characteristic

