

Power Choke Coil PCMC063T type

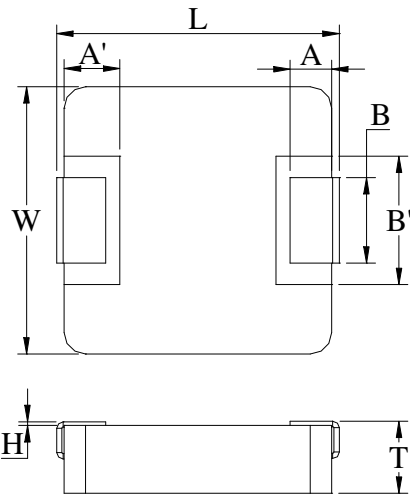
■ Features

- 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 (3MHz)
- 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

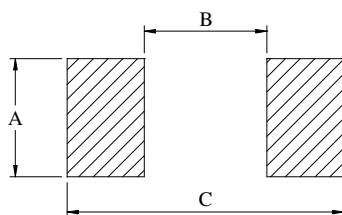
■ Outline Dimensions



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 above after confirming and safety.



A	3.5
B	3.7
C	8.4

Unit : mm

■ Specifications

Part Number	L0 Inductance (μH) @ (0A)	R_{dc} (m Ω)		Heat Rating Current DC Amps. I _{dc} (A)	Saturation Current DC Amps. I _{sat} (A)
		Typical	Maximum	Typical	Typical
PCMC063T-R10MN	0.10	1.5	1.7	32.5	60.0
PCMC063T-R20MN	0.20	2.4	3.0	24.0	41.0
PCMC063T-R22MN	0.22	2.5	2.8	23.0	40.0
PCMC063T-R25MN	0.25	3.0	3.5	21.0	39.0
PCMC063T-R33MN	0.33	3.5	3.9	20.0	30.0
PCMC063T-R47MN	0.47	4.0	4.2	17.5	26.0
PCMC063T-R56MN	0.56	4.7	5.0	16.5	25.5
PCMC063T-R68MN	0.68	5.0	5.5	15.5	25.0
PCMC063T-R75MN	0.75	5.4	6.2	14.0	24.5
PCMC063T-R82MN	0.82	6.7	8.0	13.0	24.0
PCMC063T-1R0MN	1.0	9.0	10.0	11.0	22.0
PCMC063T-1R2MN	1.2	10.0	12.0	10.0	20.0
PCMC063T-1R5MN	1.5	14.0	15.0	9.0	18.0
PCMC063T-2R0MN	2.0	16.0	18.0	8.2	14.0
PCMC063T-2R2MN	2.2	18.0	20.0	8.0	14.0
PCMC063T-2R5MN	2.5	20.0	22.0	7.0	14.0
PCMC063T-3R3MN	3.3	28.0	30.0	6.0	13.5
PCMC063T-4R7MN	4.7	37.0	40.0	5.5	10.0
PCMC063T-6R8MN	6.8	54.0	60.0	4.5	8.0

*: 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. : I_{dc} : DC current (A) that will cause an approximate ΔT of 40°C

Note 3. : I_{sat} : DC current (A) that will cause L₀ to drop approximately 20%

Note 4. : Operating Temperature Range -55°C to + 125°C

Note 5. : The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating conditions. Circuit design , component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

Note 6. : The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Current Characteristic

