

Power Choke Coil PIMB061H type

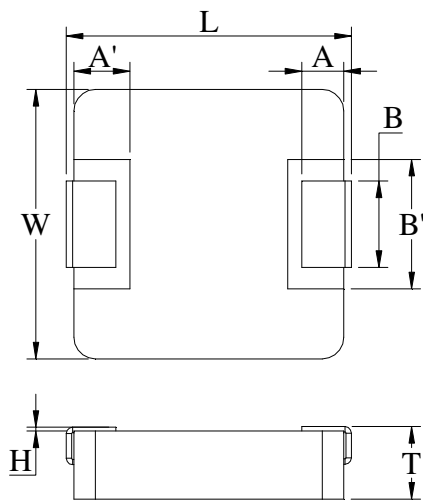
■ Features

High performance (Isat) realized by metal dust core.
 Low profile : Thickness max. 1.8mm
 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

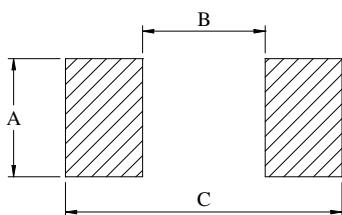
■ Outline Dimensions



Code	Dimensions (mm)
L	7.05 ± 0.35
W	6.6 ± 0.2
T	1.6 ± 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. Idc (A)	Saturation Current DC Amps. Isat (A)
		Typical	Maximum	Typical	Typical
PIMB061H-R10MS	0.10	2.0	2.5	18.0	45.0
PIMB061H-R22MS	0.22	4.5	5.2	14.0	29.0
PIMB061H-R33MS	0.33	5.2	6.8	12.0	22.0
PIMB061H-R47MS	0.47	7.3	8.4	11.0	18.0
PIMB061H-R68MS	0.68	10.8	12.7	9.0	17.0
PIMB061H-1R0MS	1.0	14.5	17.0	7.0	14.0
PIMB061H-1R5MS	1.5	20.0	26.0	6.5	12.0
PIMB061H-2R0MS	2.0	28.0	32.0	6.0	13.0
PIMB061H-2R2MS	2.2	31.0	35.0	6.0	13.0
PIMB061H-3R3MS	3.3	56.0	60.0	3.5	10.0
PIMB061H-4R7MS	4.7	68.0	70.0	3.5	5.0
PIMB061H-6R8MS	6.8	101.0	110.0	2.8	3.5
PIMB061H-8R2MS	8.2	120.0	135.0	2.5	3.0
PIMB061H-100MS	10.0	140.0	155.0	2.3	2.5
PIMB061H-150MS	15.0	215.0	250.0	1.8	2.2

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

Current Characteristic

