

High Current Power Inductors / AMPI_CN Series

Features

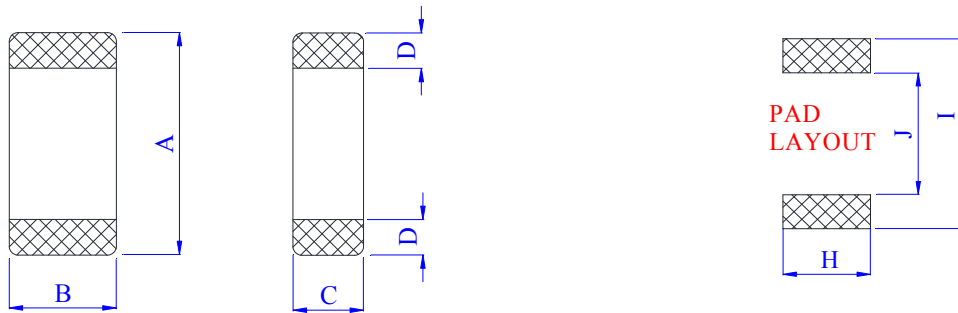
- Monolithic, magnetically shielded.
- Compact high saturation current.
- Minimum height = 1.0mm Max.

Applications

- Smartphone.
- Tablet PC.
- Hard Disk of ultrabook.
- LTE module.
- Portable device.

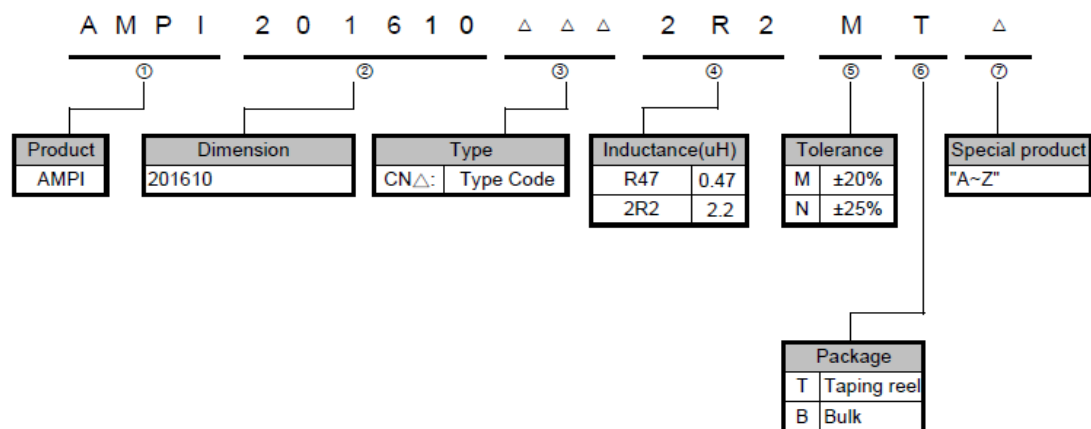


● Shape & Dimensions



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	H (Ref.)	I (Ref.)	J (Ref.)
AMPI201610CN	2.0 ± 0.2	1.6 ± 0.2	1.0 MAX.	0.5 ± 0.3	1.8	2.30	0.7

■ PRODUCT IDENTIFICATION



◆ AMPI201610CN Series Specification :

Part Number	Inductance (μ H)	Test Freq. (MHz)	DCR (m Ω) Max.	Saturation Current (A) Max.	Temp. Rise current (A) Max.
AMPI201610CNR24□T	0.24	2	40	4.2	4.0
AMPI201610CNR33□T	0.33	2	48	4.0	3.5
AMPI201610CNR47□T	0.47	2	54	3.2	3.0
AMPI201610CNR56□T	0.56	2	59	2.8	2.8
AMPI201610CNR68□T	0.68	2	72	2.7	2.4
AMPI201610CN1R0□T	1.0	2	96	2.2	2.0
AMPI201610CN1R5□T	1.5	2	150	2.1	1.6
AMPI201610CN2R2□T	2.2	2	204	2.0	1.3

NOTE :

* The operating temperature range is -40°C to +125°C (Including self-temperature rise).

* □ Tolerance M : $\pm 20\%$

*Isat:For Inductance drop 30% from its value without current.

*Irms:The value of D.C current when the temperature rise is $\Delta T \leq 40^\circ\text{C}$.($T_a = 25^\circ\text{C}$)

