

# CMI-PMCI2520-SERIES

## Features

- ▶ Halogen-Free / RoHS compliant.
- ▶ 0.9 mm in height, which is suitable for low-profile applications.
- ▶ Stable low DC resistance.
- ▶ Comparing with a winding type, this series is small, low height, and high efficiency.
- ▶ No cross coupling between inductors due to magnetic shield and is suitable for high density printed circuit boards.

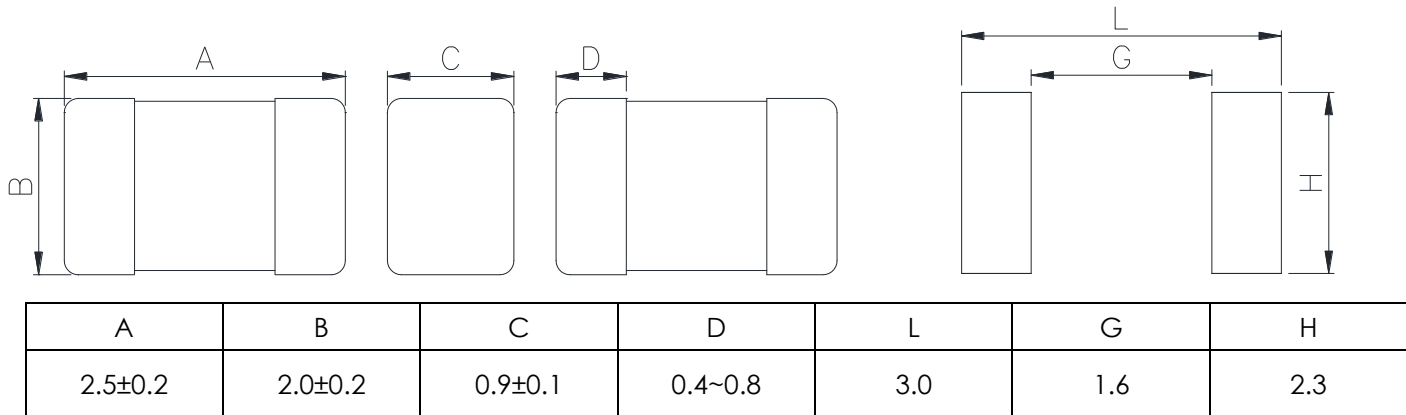


## Applications

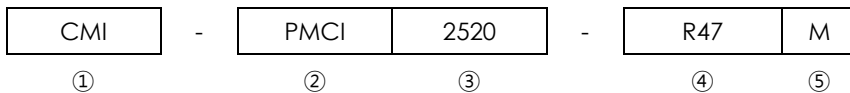
- ▶ DC-DC Converters and power modules can be applied in the following products.  
For example, Cellular phone, DSC, DVC, PDA, DVD and HDD

Dimension (Unit:mm)

Land Pattern (Unit:mm)



## Regulation of part number



- ① CoilMaster's initial
- ② Product Series Name
- ③ Core Size (unit:mm)
- ④ Inductance Value (R47 : 0.47 uH)
- ⑤ Inductance Tolerance (G : ±2%, J : ±5%, K : ±10%, M : ±20%)

• You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)  
 • All specifications are subject to change without notice.  
 • Update date : 2023.03.29

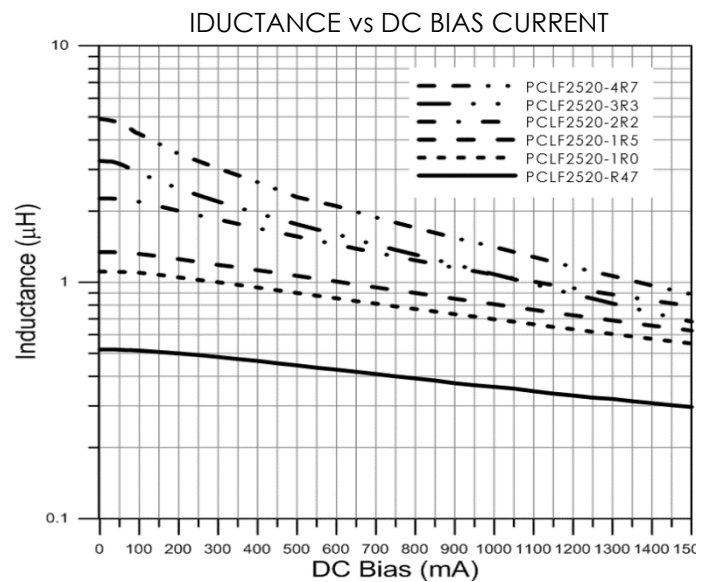
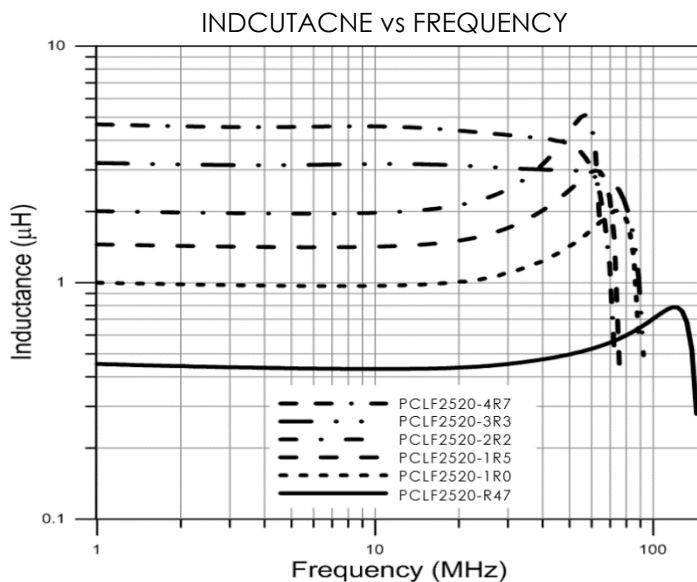
## Specifications

Part Number	Inductance (uH) $\pm 20\%$	Self-Resonant Frequency (MHz) Min.	DC Resistance (ohm) $\pm 25\%$	Rated Current (mA) Max.
CMI-PMCI2520-R47M	0.47	100	0.07	1800
CMI-PMCI2520-R68M	0.68	90	0.09	1700
CMI-PMCI2520-R82M	0.82	80	0.10	1700
CMI-PMCI2520-1R0M	1.0	60	0.11	1600
CMI-PMCI2520-1R2M	1.2	60	0.11	1600
CMI-PMCI2520-1R5M	1.5	50	0.13	1500
CMI-PMCI2520-1R8M	1.8	50	0.13	1500
CMI-PMCI2520-2R2M	2.2	40	0.17	1300
CMI-PMCI2520-3R3M	3.3	30	0.16	1200
CMI-PMCI2520-4R7M	4.7	25	0.20	1100

- Test Condition : 1 MHz
- Rated Current : the DC current value having temperature increased 40 °c after thru DC current 2 hours at ambient temperature.
- Storage Temperature Range : -40 °c ~ +85 °c
- Operating Temperature Range : -55 °c ~ +125 °c

Note 1 : 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.

## Electrical characteristics



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