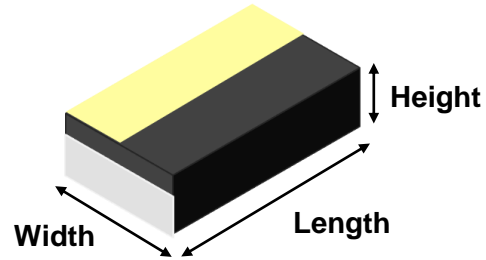


# TDK Thin Film Power inductor TFM201208BLD Series

## FEATURES

- The thickness of this product is 0.8mm, and it is very thin compared with other same kind of products.
- This product consists of original fine copper pattern with micro-processing technology .
- The coil pattern is coated with metal magnetic material.
- Superior DC-Bias characteristics .
- This product corresponds to ROHS.

## PRODUCTS SHAPE



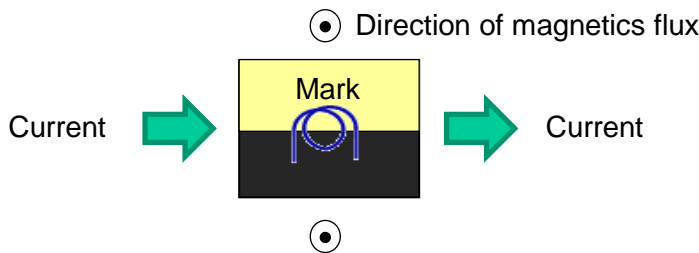
## OPERATING TEMPERATURE RANGE

-40 ~ 125 deg.C  
(Include self temperature rise 40 deg.C)

## DIMENSIONS

	Length ±0.2 [mm]	Width ±0.2 [mm]	Height Max. [mm]
TFM201208	2.0	1.25	0.80

## DIRECTION OF MARK



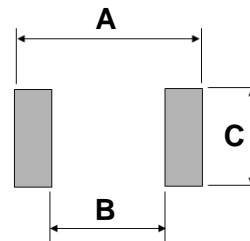
## PRODUCT IDENTIFICATIONS

**TFM 2012 08 BLD – R47 M TAA**

(1) (2) (3) (4) (5) (6) (7)

- (1) Series name
- (2) Product size ( Length , Width )
- (3) Product height
- (4) Product identification
- (5) Inductance value
- (6) Inductance tolerance ( M : ±20% )
- (7) Control mark

## RECOMMENDED LAND PATTERN



	A [mm]	B [mm]	C [mm]
TFM201208	2.4	1.2	1.2

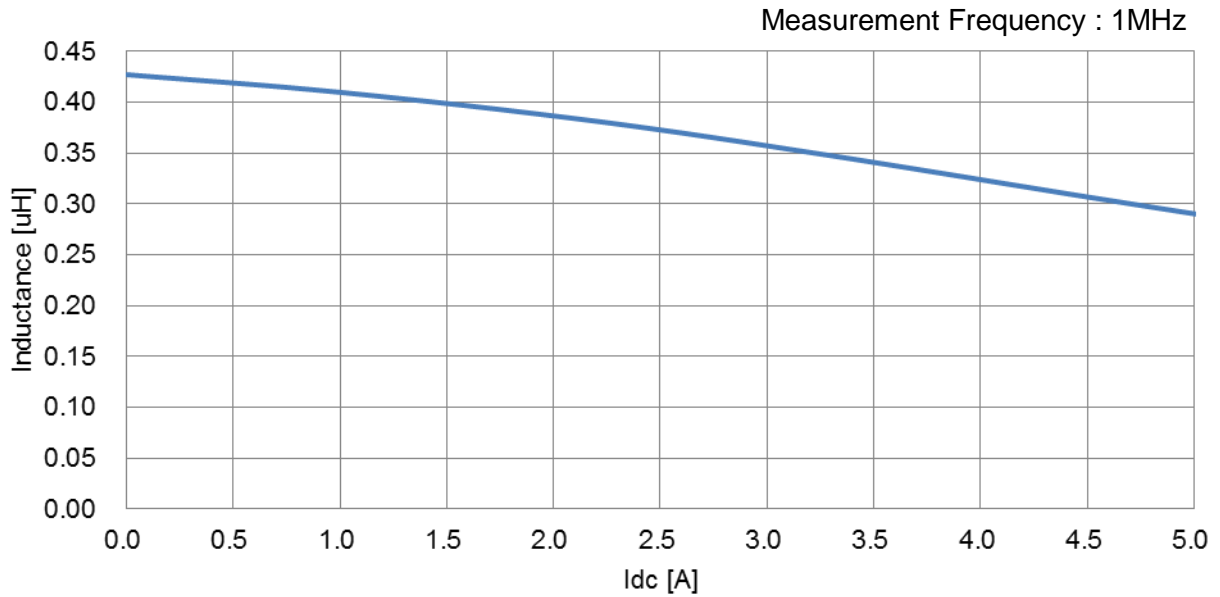
## ELECTRICAL CHARACTERISTICS

Identification	Inductance [μH]	Test frequency [MHz]	DC Resistance [mOhm]		Isat [A]		Itemp [A]	
			Max	Typ.	Max	Typ.	Max	Typ.
TFM201208BLD-R47MTCA	0.47 +/-20%	1.0	29	26	4.5	5.0	4.1	4.3

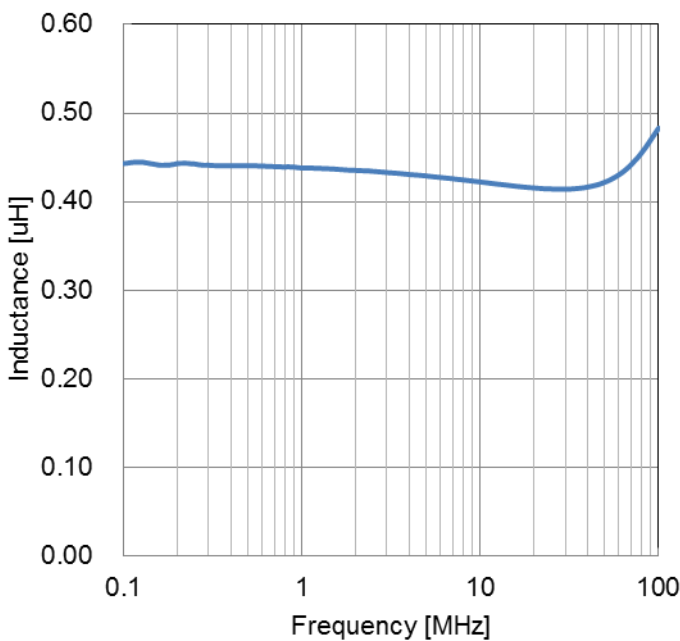
Isat : Depend on the Inductance Saturation. ( -30% Reduction from Initial L Value/ Test Freq. 1MHz )  
Itemp : Depend on the Self Temperature Rise. ( 40deg.C Typ. )



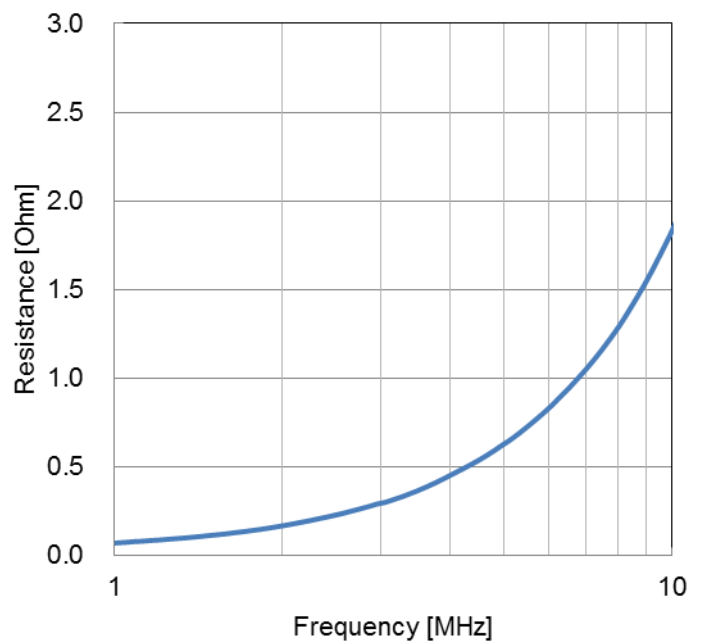
### Inductance vs. DC Bias



### Inductance vs. Frequency



### Resistance vs. Frequency



单击下面可查看定价，库存，交付和生命周期等信息

[>>TDK Corporation\(东电化\)](#)

[>>点击查看相关商品](#)