

NEW

パワーインダクタ

Power inductor

大電流、低抵抗薄膜パワーインダクタ TFM-GHMシリーズ

High current, low DCR thin film power inductor TFM-GHM series

Features

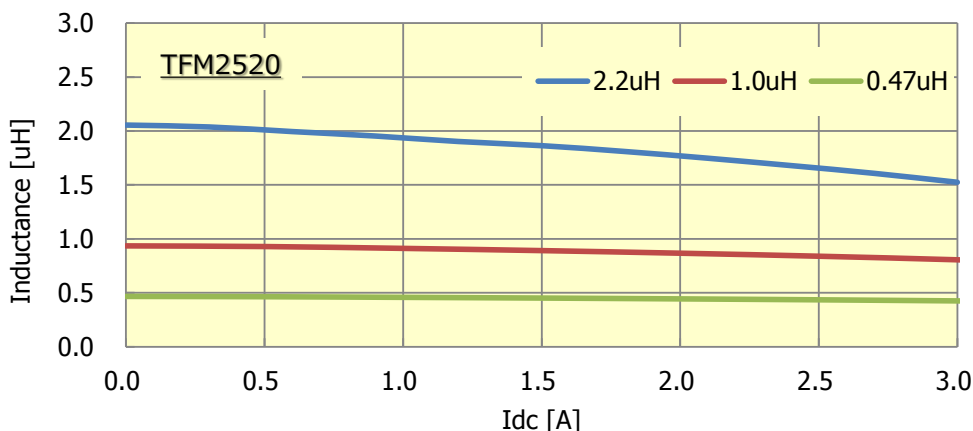
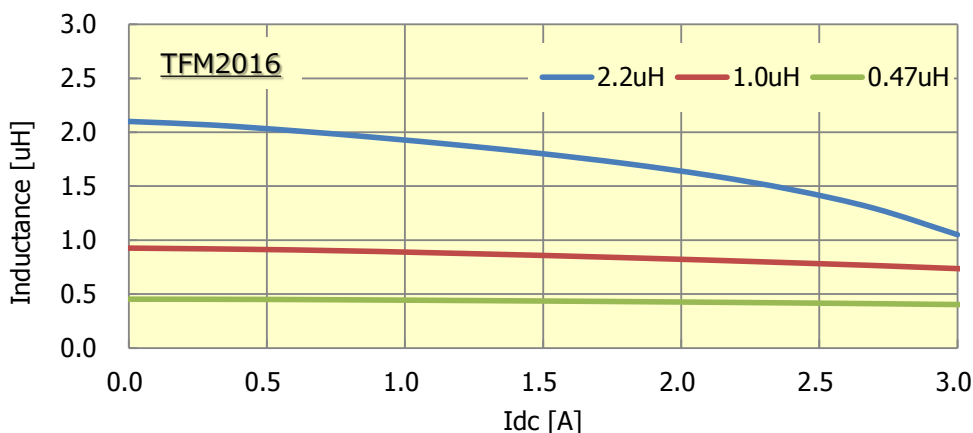
- Small case size (2520 & 2016 [mm] Case size), Low Profile (1.0mm Max)
- Inductance line up 0.47uH ~ 2.2uH
- High DC Bias characteristics are realized with metal core.

Major Applications

- Used for Smart phone, Tablet, etc
- For Power circuit module

Characteristics Specifications Examples

Inductance vs. DC Bias



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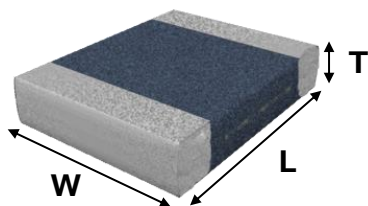
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Characteristics

Size [mm]	Identification	Inductance [uH]	DCR [mOhm]	Rated current	
				Idc-1 [A]	Idc2 [A]
2.0 x 1.6	TFM201610GHM-R47MTAA	0.47	32	5.0	3.9
	TFM201610GHM-1R0MTAA	1.0	50	3.8	3.1
	TFM201610GHM-2R2MTAA	2.2	142	2.6	1.9
2.5 x 2.0	TFM252010GHM-R47MTAA	0.47	20	4.8	4.6
	TFM252010GHM-1R0MTAA	1.0	45	4.0	3.2
	TFM252010GHM-2R2MTAA	2.2	85	3.5	2.3

Idc-1 : Depend on the Inductance Saturation. (-30% Reduction from Nominal value).
 Idc-2 : Depend on the self temperature rise. (40deg.C Max.)

Dimensions



Size	L	W	T
2016	2.0 +/-0.2	1.6 +/-0.2	1.0 Max
2520	2.5 +/-0.2	2.0 +/-0.2	1.0 Max

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Power circuit Efficiency data (3.7V In / 1.8V Out / 4MHz Switching)

