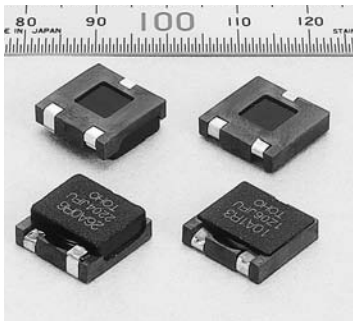
タクロンHKコイル TAKRON HK COIL

AE型シリーズ AE SERIES



―薄型面実装パワーインダクタ―

―SMD Power Inductor―

特長 FEATURES

(1) 薄型、大電流対応
平角線の採用により占積率が向上、小型化と大電流化を同時に実現。
(2) 閉磁路、高密度実装対応
弊社独自のFe-Al-Si系合金を採用。ギャップレスで大電流対応が可能な為、漏洩磁束が極めて小さく、高密度実装が可能。また、動作時のうなりも無い。

(1) Thin and for large current
Small and for large current by applying rectangular wire of minimized space factor.
(2) Closed magnetic circuit and high density mount
The leakage flux is extremely little. High density mounting is possible. Buzz is much lower. These are featured from large current usability and gapless structure of the core which is made of our own Fe-Al-Si alloy (Sendust).

用途 APPLICATIONS

低電圧出力　DC-DCコンバータの出力平滑用　(特にNote-PCのCPU、メモリー、HDD、その他周辺IC等の電源)

Thin DC/DC converters to smooth low voltage output in particularly for notebook computer.

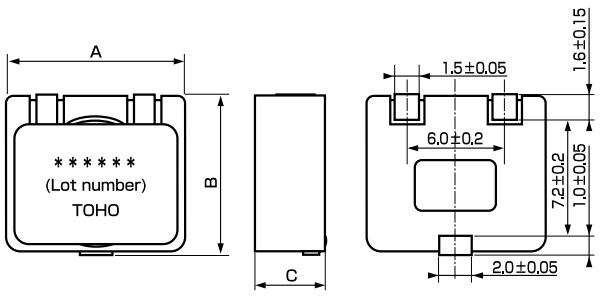
標準仕様 STANDARD SPECIFICATIONS

品　名 Part No.	定格電流 Rated Current Idc(A) ※1	直流抵抗 D.C.R. (mΩ)	インダクタンス Inductance (μH)		寸法／Dimensions(mm)			形　状 Shape
			初期／Idc=0A	定格／Rated Current	A	B	C	
HK-AE06A4R2F	6.0	13.3	5.5	4.2	$11.0^{\pm0.1}$	$9.5^{\pm0.1}$	4.5^{max}	Fig.1
HK-AE15A1R0	15.0	2.9	1.2	1.0				
HK-AE20A0R5	20.0	1.6	0.7	0.5				
HK-AE20A1R2	20.0	2.0	1.8	1.2	$12.65^{\pm0.1}$	$12.65^{\pm0.1}$	$5.2^{\pm0.2}$	Fig.2
HK-AE26A0R6	26.0	1.3	0.9	0.7				

※1. 直流電流によるコイル表面温度上昇値が、約40℃となる電流値。

※1. Current with which coil surface temperature rise by D.C. reaches about 40℃.

Fig.1



回路図/Circuit daiagram

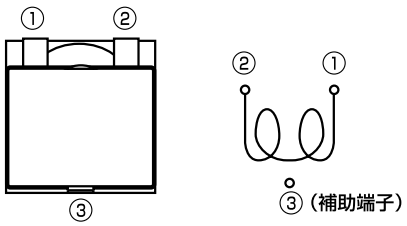
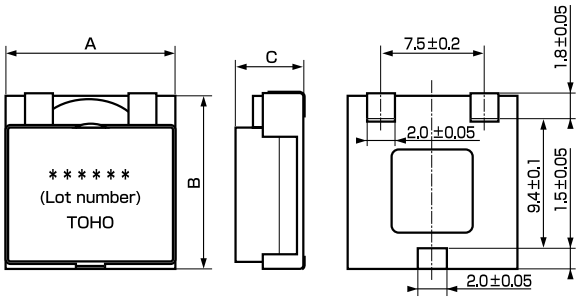
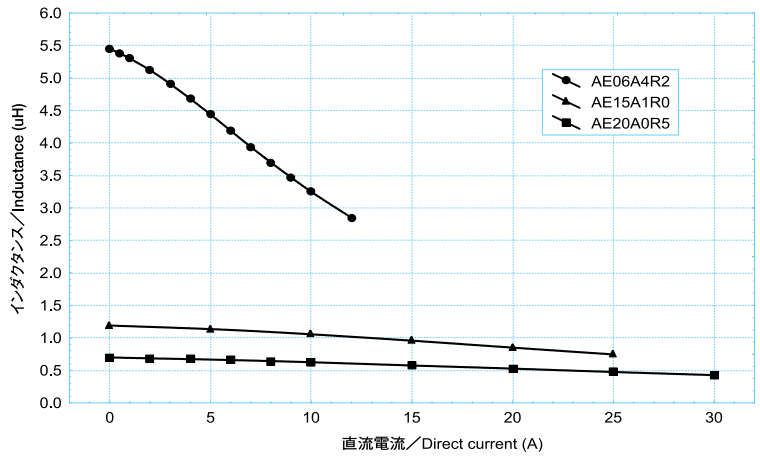
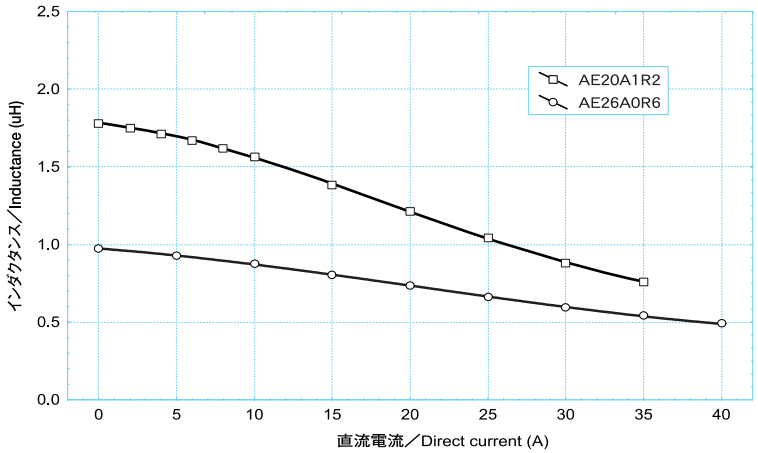


Fig.2



直流重畳特性 D.C. BIAS CHARACTERISTICS





温度上昇 TEMPERATURE RISE