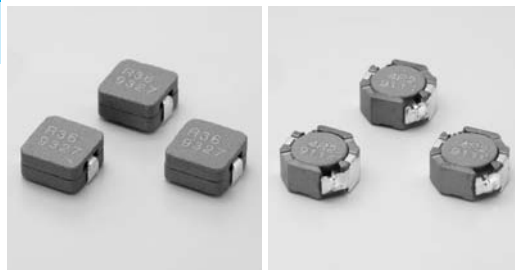


—小型表面実装パワーインダクター—

独自のダスト圧粉磁芯を用いた高性能SMDパワーインダクタ
DC/DCコンバータ、高性能電源に最適

— SMD POWER INDUCTORS —

Highly efficient SMD power inductor which used the original dust core.
It is the best for the DC/DC converter and the highly efficient power supply.



特長 FEATURES

- ・高温環境での使用に対応
- ・大電流に対応
- ・低直流抵抗
- ・閉磁路（ノンギャップ）タイプ
- ・低ノイズ
- ・RoHS指令対応
- ・ Can be used at high temperature range
- ・ Suitable for large current
- ・ Low DC resistance
- ・ Magnetically shielded (non-gap)
- ・ Low audible core noise
- ・ RoHS compliant

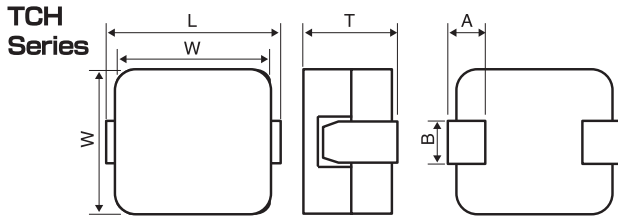
用途 APPLICATIONS

- ・ DC-DCコンバータ、車載機器
照明電源、サーバ用
- ・ for DC/DC Converter, Automotive,
Lighting, Server

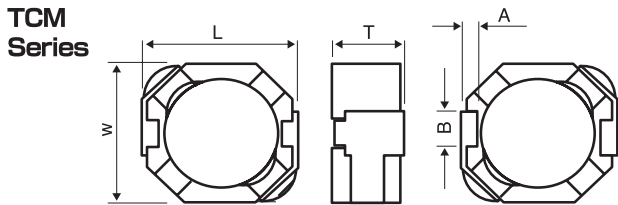
コイル特性 COIL SPECIFICATION

品名 Parts Number	インダクタンス [μ H] Inductance at 100kHz	直流抵抗[m Ω] DC Resistance Max.	定格電流[A] Rated Current at $\Delta T=40^{\circ}\text{C}$	定格時インダクタンス [μ H] Inductance at Rated Current
TCH-0730-R35	0.35 \pm 25%	2.3	18	(0.26)
TCH-0730-R65	0.65 \pm 25%	4.6	14	(0.47)
TCH-0740-R36	0.36 \pm 25%	1.5	25	(0.23)
TCH-0740-R66	0.66 \pm 25%	3.1	18	(0.42)
TCH-0740-1R0	1.0 \pm 25%	4.4	15	(0.65)
TCH-0740-1R5	1.5 \pm 25%	7.5	11	(1.04)
TCH-0840-R50	0.5 \pm 25%	1.67	24	(0.34)
TCH-0840-R95	0.95 \pm 25%	3.5	17	(0.69)
TCH-0840-1R6	1.6 \pm 25%	4.9	13	(1.14)
TCH-0840-2R2	2.2 \pm 25%	8.4	10	(1.74)
TCM-0840-1R8	1.8 \pm 25%	11.6	8.8	(1.4)
TCM-0840-4R2	4.2 \pm 25%	25	5.7	(3.2)
TCM-0840-6R5	6.5 \pm 25%	31	5.1	(5.0)
TCM-0840-9R6	9.6 \pm 25%	45	4.1	(7.1)
TCM-0840-200	20 \pm 25%	101	2.5	(15.7)
TCM-0840-300	30 \pm 25%	126	2.3	(23)
TCM-0840-450	45 \pm 25%	196	1.7	(35)

コイル形状 COIL DIMENSION



[mm]	TCH-0730	TCH-0740	TCH-0840	TCM-0840
L	8.5max.	8.5max	9.5max.	8.5max.
W	7.0	7.0	8.0	8.0max.
T	3.0max.	4.0max.	4.0max.	4.0max.
A	2.0	2.0	2.0	1.0
B	R35=2.0	R36=2.4	R50=2.4	2.5
		R66=1.6	R95=1.6	
	R65=1.7	1R0=1.5	1R6=1.5	
		1R5=1.2	2R2=1.2	



直流重畳特性 D.C. BIAS CHARACTERISTICS

