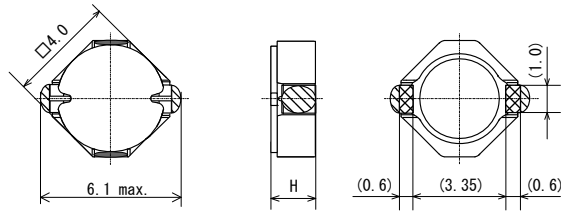


7E04SA / SB, LA / LB, NS / NA / NB

Frequency Range : ~2MHz

Inductance Range : 1.5 ~ 270 $\mu$ H

Temperature Coefficient :  $\pm$ 20%max.



H=1.8max. : 7E04S

H=2.0max. : 7E04L

H=3.0max. : 7E04N

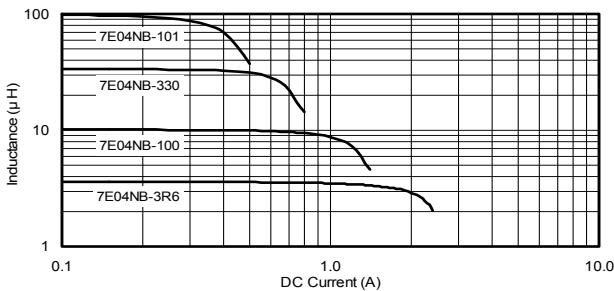
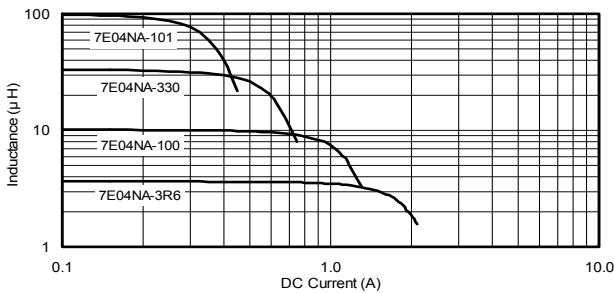
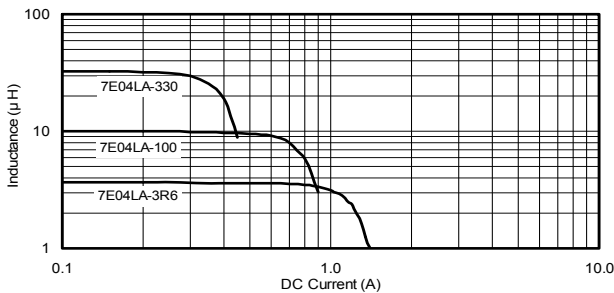
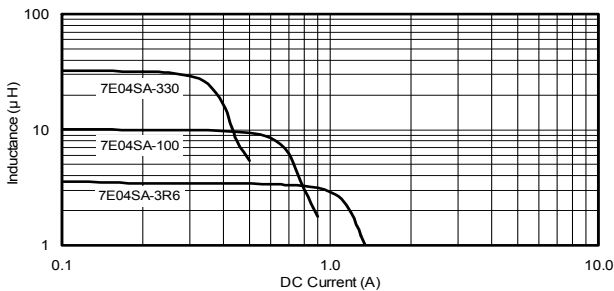
Features

- Available for reflow soldering
- SMD magnetic shielded type of power inductor
- Suitable for power supply choke coil
- Available in 3 types of electronic characteristics
- S: Most low DC Resistance (N type only)
- A: Low DC Resistance
- B: Powered DC Current

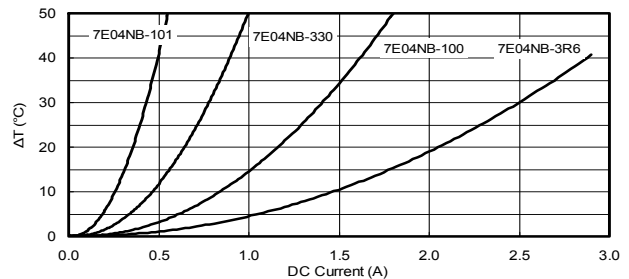
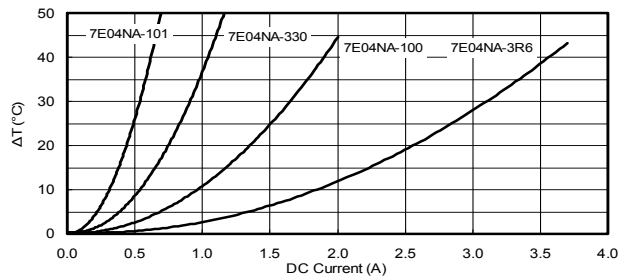
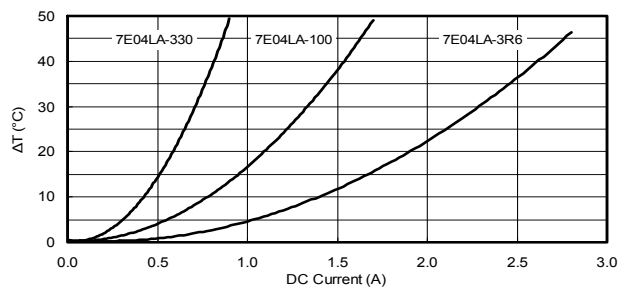
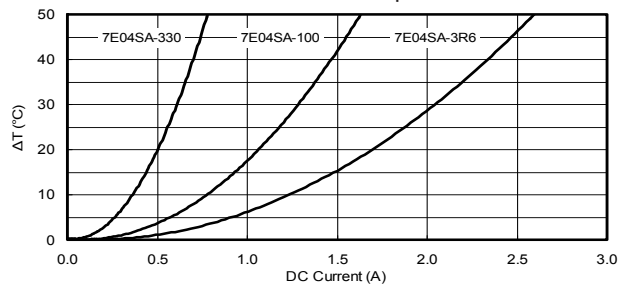
特長

- リフローはんだ対応
- 閉磁路タイプの面実装パワーインダクタ
- 電源用のチョークコイルとして最適
- 特性にあわせた3タイプを用意
- S: 直流抵抗をより低くした仕様 (N typeのみ)
- A: 直流抵抗を低くした仕様
- B: 直流重畳電流特性を重視した仕様

Characteristics of DC Limit Current



Characteristics of Temperature rise



Notes: Graphs are based on typical values of each type, not specific values.

記事: 特性グラフは各タイプの代表値を基に作成しています。規格値ではありません。

## Coil Selection Guide

Inductance インダクタンス	DC Resistance 直流抵抗 (mΩ) ±30%								DC saturation allowable current 直流重畳許容電流 (mA)						Temperature rise allowable current 温度上昇許容電流 (mA)							
	7E04□□								7E04□□						7E04□□							
	Code (μH)	SA	SB	LA	LB	NS	NA	NB	SA	SB	LA	LB	NS	NA	NB	SA	SB	LA	LB	NS	NA	NB
1R5	1.5	21	25	15	20	12	14	17	1400	1800	1400	2000	1200	2000	2300	2900	2500	3100	2900	3800	3600	3100
1R8	1.8	26	37	20	26	15	16	19	1200	1600	1200	1700	1100	1800	2100	2600	2200	2700	2500	3500	3300	2900
2R4	2.4	30	45	26	32	17	19	24	1000	1500	1000	1600	1000	1500	1900	2300	2000	2400	2200	3300	3000	2600
3R6	3.6	46	60	37	48	22	25	32	900	1200	900	1300	800	1200	1600	1800	1600	2100	1900	2900	2700	2200
4R3	4.3	55	75	47	60	24	29	36	800	1100	800	1200	750	1100	1400	1700	1400	1800	1700	2800	2500	2100
5R1	5.1			52	71	27	35	43			730	1050	650	1000	1200			1700	1500	2600	2300	1900
5R6	5.6	72	100						700	950						1500	1200					
6R8	6.8	85	110	72	92	34	48	58	640	900	650	930	550	900	1100	1400	1100	1500	1300	2300	1900	1700
7R5	7.5	94		77		37	56		600		600		500	850		1300		1400		2200	1700	
8R2	8.2		130		110			72		800		850			1050		1000		1100			1500
100	10	120	160	95	130	49	72	100	530	700	550	750	460	750	1000	1200	900	1200	1000	1800	1500	1300
120	12	160	200	120	170	61	87	120	480	650	480	700	410	700	900	1100	850	1100	950	1600	1300	1100
150	15	200	250	150	220	74	110	140	430	600	440	600	380	600	800	900	750	1000	850	1500	1200	1000
180	18	220	280	190	240	90	130	160	400	540	400	560	360	550	700	800	700	900	800	1300	1100	950
220	22	270	370	210	300	110	150	200	370	500	370	520	330	500	650	700	650	830	700	1200	1000	850
270	27	320	420	270	340	140	180	240	320	450	330	480	290	450	560	650	550	720	650	1100	900	800
330	33	410		340	460	160	230	300	290		300	430	260	400	530	550		660	580	1000	800	700
390	39	470		380	500	190	250	370	260		270	390	240	380	490	500		620	530	900	750	650
470	47			480		220	330	420			250		230	340	450			530		850	650	600
560	56			560		250	400	530			220		200	320	400			500		800	600	550
680	68					290	450	590					180	300	360					700	550	500
820	82					400	580	770					170	270	330					600	500	450
101	100					510	650	860					150	240	270					550	450	400
121	120					580	840						140	210						500	400	
151	150					740	970						130	190						450	350	
181	180					820							110							400		
221	220					1100							100							350		
271	270					1250							90							300		

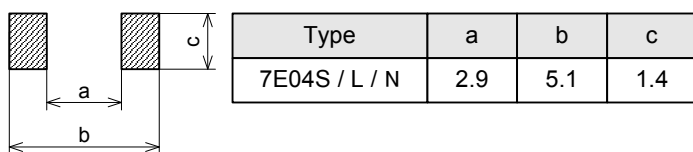
- Notes: 1. Measurement Frequency for Inductance: 100kHz( < 10 μ H)  
1kHz( 10 μ H)  
2. DC saturation allowable current: Value of inductance decrease 35%.  
3. Temperature rise allowable current: A rise in temperature of core surface is with 25 .

- 記事: 1. インダクタンス測定周波数: 100kHz( < 10 μ H)  
1kHz( 10 μ H)  
2. 直流重畳許容電流: インダクタンスの減少が35%の直流電流値。  
3. 温度上昇許容電流: コアの表面温度上昇が25の直流電流値。

### Inductance range インダクタンス範囲

Tolerance	7E04SA	7E04SB	7E04LA	7E04LB	7E04NS	7E04NA	7E04NB
±30%(N)	1.5 μH~7.5μH	1.5 μH~8.2μH	1.5 μH~7.5μH	1.5 μH~8.2μH	1.5 μH~7.5μH	1.5 μH~7.5μH	1.5μH~8.2μH
±20%(M)	10 μH~39μH	10 μH~27μH	10 μH~56μH	10 μH~39μH	10 μH~270μH	10 μH~150μH	10 μH~100μH

### Recommended Land Pattern 推奨ランドパターン



### Parts Code 品番コード例

