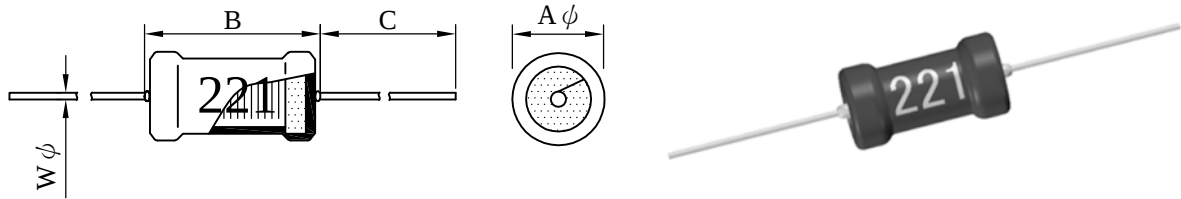


SPECIFICATION

REF. :

PROD. NAME	Power Inductor	ABC'S DWG NO.	PA1223□□□KS□-□□□		
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I . Configuration and dimensions :



Unit : mm

Aφ	B	C	Wφ
11.50 max.	23.50 max.	28.50 ±3.0	0.80 ±0.1

II . Description :

- a . Ferrite drum core construction.
- b . Enamelled copper wire : F class
- c . Product weight : 6.90 g (ref.)
- d . Moisture sensitivity Level 1
- e . Products comply with RoHS' requirements
- f . Halogen free

III . General specification :

- a . Operating Temp. : -40°C----+125°C
(Temp. rise included)

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REF. :

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IV . Electrical characteristics :

DWG. No.	Inductance (μ H)	Test Freq. (Hz)	RDC (Ω) max.	SRF (MHz) typ.	Isat (A) max.	Irms (A) max.
PA12233R9KS□-□□□	3.90 $\pm$ 10%	1k/0.25V	0.012	80.00	14.400	5.900
PA12234R7KS□-□□□	4.70 $\pm$ 10%	1k/0.25V	0.014	70.00	13.000	5.700
PA12235R6KS□-□□□	5.60 $\pm$ 10%	1k/0.25V	0.015	65.00	11.800	5.400
PA12236R8KS□-□□□	6.80 $\pm$ 10%	1k/0.25V	0.016	60.00	10.800	5.200
PA12238R2KS□-□□□	8.20 $\pm$ 10%	1k/0.25V	0.017	55.00	10.000	5.000
PA1223100KS□-□□□	10.00 $\pm$ 10%	1k/0.25V	0.019	50.00	8.700	4.700
PA1223120KS□-□□□	12.00 $\pm$ 10%	1k/0.25V	0.021	40.00	8.100	4.600
PA1223150KS□-□□□	15.00 $\pm$ 10%	1k/0.25V	0.025	35.00	6.800	4.200
PA1223180KS□-□□□	18.00 $\pm$ 10%	1k/0.25V	0.027	30.00	6.200	4.000
PA1223220KS□-□□□	22.00 $\pm$ 10%	1k/0.25V	0.030	20.00	5.700	3.800
PA1223270KS□-□□□	27.00 $\pm$ 10%	1k/0.25V	0.032	10.00	5.200	3.600
PA1223330KS□-□□□	33.00 $\pm$ 10%	1k/0.25V	0.037	9.50	4.600	3.400
PA1223390KS□-□□□	39.00 $\pm$ 10%	1k/0.25V	0.039	7.50	4.300	3.300
PA1223470KS□-□□□	47.00 $\pm$ 10%	1k/0.25V	0.045	6.50	3.800	3.100
PA1223560KS□-□□□	56.00 $\pm$ 10%	1k/0.25V	0.050	5.50	3.500	2.900
PA1223680KS□-□□□	68.00 $\pm$ 10%	1k/0.25V	0.056	4.50	3.200	2.800
PA1223820KS□-□□□	82.00 $\pm$ 10%	1k/0.25V	0.078	3.50	2.900	2.300
PA1223101KS□-□□□	100.00 $\pm$ 10%	1k/0.25V	0.086	3.00	2.700	2.200
PA1223121KS□-□□□	120.00 $\pm$ 10%	1k/0.25V	0.097	2.50	2.400	2.100
PA1223151KS□-□□□	150.00 $\pm$ 10%	1k/0.25V	0.110	2.20	2.100	2.000
PA1223181KS□-□□□	180.00 $\pm$ 10%	1k/0.25V	0.140	2.00	2.000	1.700
PA1223221KS□-□□□	220.00 $\pm$ 10%	1k/0.25V	0.185	1.90	1.800	1.500
PA1223271KS□-□□□	270.00 $\pm$ 10%	1k/0.25V	0.210	1.70	1.600	1.400
PA1223331KS□-□□□	330.00 $\pm$ 10%	1k/0.25V	0.285	1.50	1.400	1.200
PA1223391KS□-□□□	390.00 $\pm$ 10%	1k/0.25V	0.310	1.30	1.300	1.200
PA1223471KS□-□□□	470.00 $\pm$ 10%	1k/0.25V	0.420	1.20	1.200	1.000
PA1223561KS□-□□□	560.00 $\pm$ 10%	1k/0.25V	0.460	1.10	1.100	1.000
PA1223681KS□-□□□	680.00 $\pm$ 10%	1k/0.25V	0.515	1.00	1.000	0.900
PA1223821KS□-□□□	820.00 $\pm$ 10%	1k/0.25V	0.580	0.90	0.920	0.850
PA1223102KS□-□□□	1000.00 $\pm$ 10%	1k/0.25V	0.830	0.80	0.830	0.710
PA1223122KS□-□□□	1200.00 $\pm$ 10%	1k/0.25V	0.910	0.75	0.760	0.680
PA1223152KS□-□□□	1500.00 $\pm$ 10%	1k/0.25V	1.330	0.70	0.680	0.560
PA1223182KS□-□□□	1800.00 $\pm$ 10%	1k/0.25V	1.500	0.60	0.620	0.530
PA1223222KS□-□□□	2200.00 $\pm$ 10%	1k/0.25V	1.700	0.55	0.560	0.500
PA1223272KS□-□□□	2700.00 $\pm$ 10%	1k/0.25V	2.500	0.50	0.510	0.410
PA1223332KS□-□□□	3300.00 $\pm$ 10%	1k/0.25V	2.800	0.45	0.460	0.390
PA1223392KS□-□□□	3900.00 $\pm$ 10%	1k/0.25V	3.100	0.42	0.420	0.370

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DWG. No.	Inductance (μ H)	Test Freq. (Hz)	RDC (Ω) max.	SRF (MHz) typ.	Isat (A) max.	Irms (A) max.
PA1223472KS□-□□□	4700.00 $\pm$ 10%	1k/0.25V	3.700	0.40	0.380	0.340
PA1223562KS□-□□□	5600.00 $\pm$ 10%	1k/0.25V	4.100	0.37	0.350	0.320
PA1223682KS□-□□□	6800.00 $\pm$ 10%	1k/0.25V	5.400	0.35	0.320	0.280
PA1223822KS□-□□□	8200.00 $\pm$ 10%	1k/0.25V	6.000	0.32	0.290	0.260
PA1223103KS□-□□□	10000.00 $\pm$ 10%	1k/0.25V	7.600	0.30	0.260	0.230
PA1223123KS□-□□□	12000.00 $\pm$ 10%	1k/0.25V	8.500	0.27	0.240	0.220
PA1223153KS□-□□□	15000.00 $\pm$ 10%	1k/0.25V	11.500	0.25	0.210	0.190
PA1223183KS□-□□□	18000.00 $\pm$ 10%	1k/0.25V	14.000	0.22	0.200	0.170
PA1223223KS□-□□□	22000.00 $\pm$ 10%	1k/0.25V	18.000	0.20	0.180	0.150
PA1223273KS□-□□□	27000.00 $\pm$ 10%	1k/0.25V	22.000	0.17	0.160	0.140
PA1223333KS□-□□□	33000.00 $\pm$ 10%	1k/0.25V	25.000	0.15	0.140	0.130
PA1223393KS□-□□□	39000.00 $\pm$ 10%	1k/0.25V	31.000	0.14	0.130	0.120
PA1223473KS□-□□□	47000.00 $\pm$ 10%	1k/0.25V	40.000	0.13	0.120	0.100
PA1223563KS□-□□□	56000.00 $\pm$ 10%	1k/0.25V	45.000	0.12	0.110	0.100
PA1223683KS□-□□□	68000.00 $\pm$ 10%	1k/0.25V	58.000	0.10	0.100	0.080
PA1223823KS□-□□□	82000.00 $\pm$ 10%	1k/0.25V	65.000	0.09	0.092	0.079
PA1223104KS□-□□□	100000.00 $\pm$ 10%	1k/0.25V	82.000	0.08	0.083	0.070

- 1). Electrical specifications at 25°C
- 2). Isat base on $\Delta L/L0A=10\%$ max.
- 3). Irms base on Temp. rise 35°C max.
- 4). Hi-Pot test (Lead - Tube (Middle of Coil)) : AC 2.5 kV / 50Hz / 3mA / 3 Sec.

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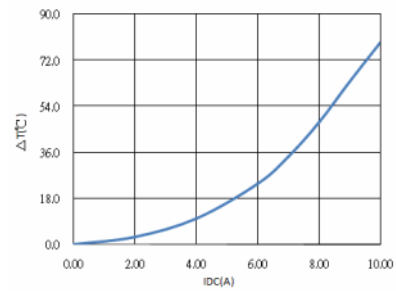
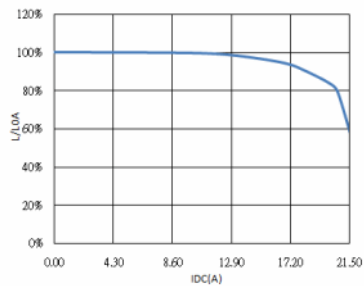
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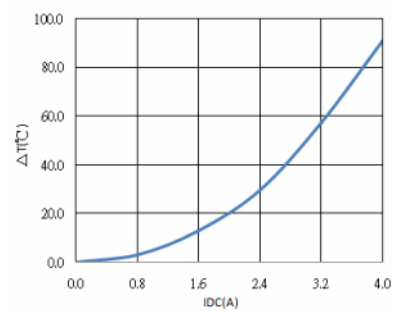
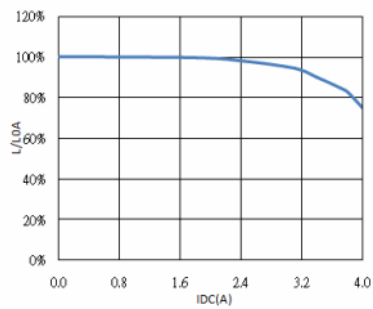
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V . Curve :

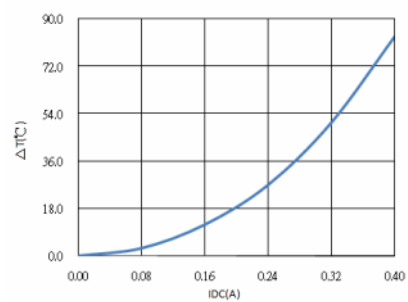
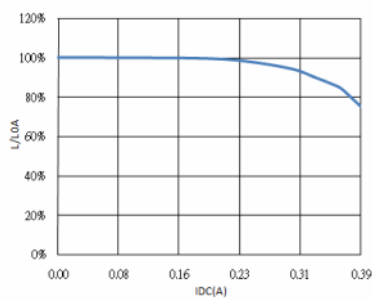
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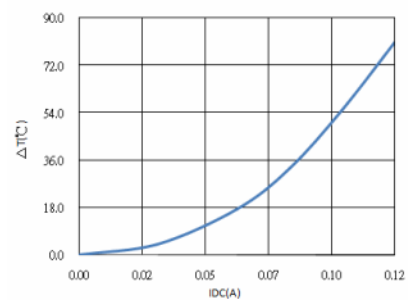
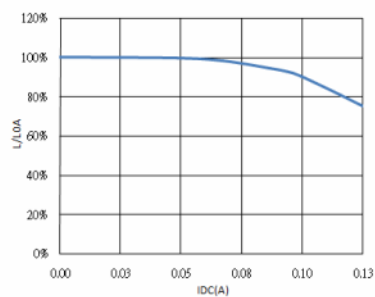
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PA1223103KS□



PA1223104K□□



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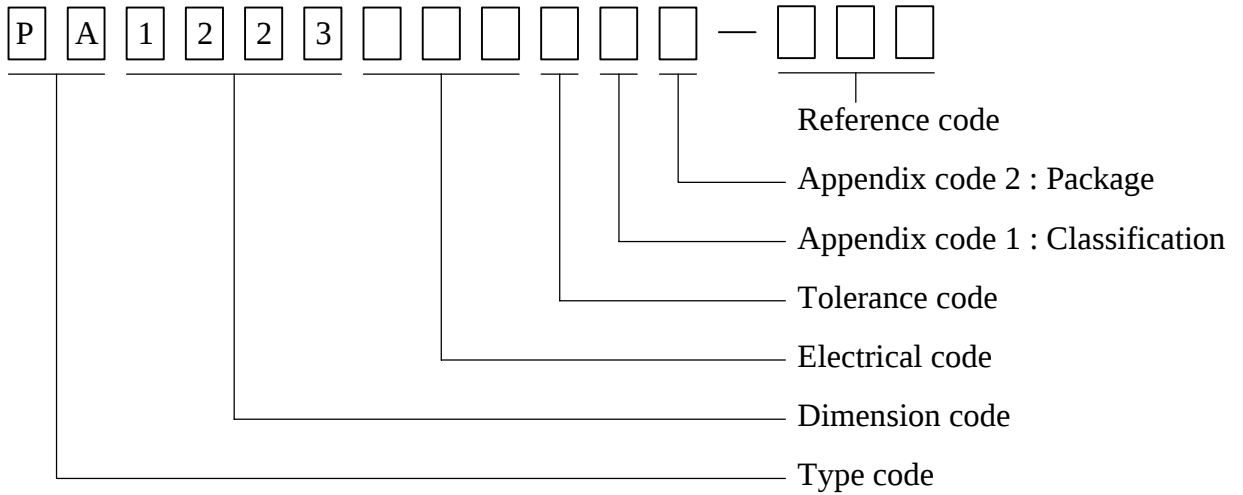
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VI . Drawing number expression :



Appendix code 1 : Product Classification

Appendix code 2 : Package Information

Code	Inner package	Cover tape	Carrier tape	Bag	Package Q'TY	Remark
A	Tray	N/A	N/A	N/A	48 pcs	

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VII . Safety notes :

1. The risks of using the product are highly relevant to the field of application and need to be evaluated by both user and manufacturer. If the product is used for a purpose that directly affects personal safety or will cause significant impact or loss to the society , please be sure to contact us first for confirmation.
產品使用的風險與應用領域有高度相關，若您應用於直接影響人身安全系統或對社會會造成重大影響與損失之相關用途，請務必優先與我們聯繫確認。
2. The storage period is less than 12 months. Ensure to follow the storage conditions (Temperature: 5 to 30°C, Humidity: 10 to 60% RH or less). If the storage time is exceeded the limit, the electrodes might be deteriorate of terminal soldering.
儲存期不超過12個月,務必遵守儲存條件（溫度：5至30℃，濕度：10至60%RH以下）。如果超過了儲存時間，端子電極可能會氧化而影響焊接。
3. Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).
不要在有氣體腐蝕等條件的地方使用或存放（鹽，酸，鹼等）。
4. Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
安裝時的焊接條件應在規格範圍內。如果超過要求，可能會發生短路，性能下降或壽命縮短。
5. When using, it should try to avoid excessive mechanical impact on the product, such as collision / drop ... and other reasons.
使用時，應盡量避免產品受到過度機械衝擊，如碰撞/掉落...等原因。
6. When embedding a printed circuit board where a chip is mounted to a set, be sure that residual stress is not given to the chip due to the overall distortion of the printed circuit board and partial distortion such as at screw tightening portions.
將已安裝新片的電路板組裝到裝置時，請注意應盡量避免電路板受到組裝變形...等，導致產品受到應力。
7. Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
產品會因通電而自我發熱(溫度上升)，因此在熱影響設計方面，需保留適當公差。
8. Do not expose the products to magnets or magnetic fields.
請勿將產品暴露於磁鐵或是磁場中。
9. If you would like to use this products to performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property, or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.
如果您希望將此產品用於性能和/或質量要求更嚴格的安全性或可靠性，或其失敗、故障或麻煩可能對社會、個人或財產造成嚴重損害，或者您有特殊情況要求超出目錄中規定的範圍或條件，請與我們聯繫。

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