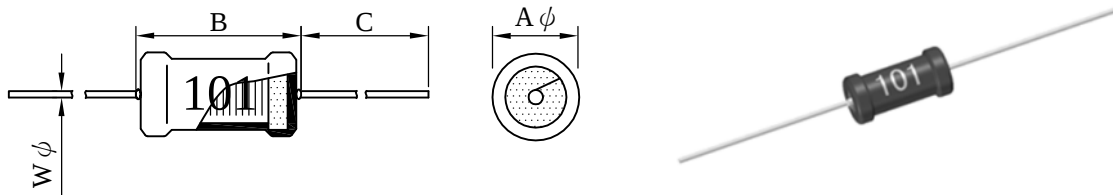


SPECIFICATION

REF. :

PROD. NAME	Power Inductor	ABC'S DWG NO.	PA0718□□□KS□-□□□		
		REV.	20260526-I	PAGE	1

I . Configuration and dimensions :



Unit : mm

Aφ	B	C	Wφ
7.00 max.	17.80 max.	28.5 ±3.0	0.65 ±0.1

II . Description :

- a . Ferrite drum core construction.
- b . Enamelled copper wire : F class
- c . Product weight : 1.40 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)

SPECIFICATION

REF. :

PROD. NAME	Power Inductor	ABC'S DWG NO.		PA0718□□□KS□-□□□		
		REV.	20260526-I	PAGE	2	

IV . Electrical characteristics :

DWG. No.	Inductance (μ H)	Test Freq. (Hz)	RDC (Ω) max.	SRF (MHz) typ.	Isat (A) max.	Irms (A) max.
PA07183R9KS□-□□□	3.90 $\pm$ 10%	1k/0.25V	0.015	100.00	5.800	3.100
PA07184R7KS□-□□□	4.70 $\pm$ 10%	1k/0.25V	0.016	90.00	5.400	3.100
PA07185R6KS□-□□□	5.60 $\pm$ 10%	1k/0.25V	0.023	80.00	5.000	2.500
PA07186R8KS□-□□□	6.80 $\pm$ 10%	1k/0.25V	0.026	70.00	4.400	2.400
PA07188R2KS□-□□□	8.20 $\pm$ 10%	1k/0.25V	0.031	60.00	3.900	2.200
PA0718100KS□-□□□	10.00 $\pm$ 10%	1k/0.25V	0.032	45.00	3.600	2.100
PA0718120KS□-□□□	12.00 $\pm$ 10%	1k/0.25V	0.035	30.00	3.400	2.000
PA0718150KS□-□□□	15.00 $\pm$ 10%	1k/0.25V	0.039	20.00	3.000	1.900
PA0718180KS□-□□□	18.00 $\pm$ 10%	1k/0.25V	0.043	13.00	2.800	1.800
PA0718220KS□-□□□	22.00 $\pm$ 10%	1k/0.25V	0.051	10.00	2.400	1.700
PA0718270KS□-□□□	27.00 $\pm$ 10%	1k/0.25V	0.066	9.00	2.200	1.500
PA0718330KS□-□□□	33.00 $\pm$ 10%	1k/0.25V	0.090	7.00	2.000	1.300
PA0718390KS□-□□□	39.00 $\pm$ 10%	1k/0.25V	0.097	6.50	1.800	1.200
PA0718470KS□-□□□	47.00 $\pm$ 10%	1k/0.25V	0.136	6.00	1.700	1.000
PA0718560KS□-□□□	56.00 $\pm$ 10%	1k/0.25V	0.150	5.20	1.500	1.000
PA0718680KS□-□□□	68.00 $\pm$ 10%	1k/0.25V	0.166	5.00	1.400	0.900
PA0718820KS□-□□□	82.00 $\pm$ 10%	1k/0.25V	0.190	4.50	1.300	0.900
PA0718101KS□-□□□	100.00 $\pm$ 10%	1k/0.25V	0.210	4.00	1.100	0.800
PA0718121KS□-□□□	120.00 $\pm$ 10%	1k/0.25V	0.300	3.50	1.000	0.700
PA0718151KS□-□□□	150.00 $\pm$ 10%	1k/0.25V	0.460	3.00	0.900	0.600
PA0718181KS□-□□□	180.00 $\pm$ 10%	1k/0.25V	0.520	2.70	0.900	0.500
PA0718221KS□-□□□	220.00 $\pm$ 10%	1k/0.25V	0.580	2.50	0.800	0.500
PA0718271KS□-□□□	270.00 $\pm$ 10%	1k/0.25V	0.650	2.20	0.700	0.500
PA0718331KS□-□□□	330.00 $\pm$ 10%	1k/0.25V	0.770	2.00	0.600	0.400
PA0718391KS□-□□□	390.00 $\pm$ 10%	1k/0.25V	0.860	1.90	0.600	0.400
PA0718471KS□-□□□	470.00 $\pm$ 10%	1k/0.25V	1.200	1.80	0.500	0.400
PA0718561KS□-□□□	560.00 $\pm$ 10%	1k/0.25V	1.300	1.60	0.500	0.300
PA0718681KS□-□□□	680.00 $\pm$ 10%	1k/0.25V	1.700	1.30	0.400	0.300
PA0718821KS□-□□□	820.00 $\pm$ 10%	1k/0.25V	1.900	1.20	0.400	0.280
PA0718102KS□-□□□	1000.00 $\pm$ 10%	1k/0.25V	2.500	1.10	0.360	0.240
PA0718122KS□-□□□	1200.00 $\pm$ 10%	1k/0.25V	2.700	1.00	0.330	0.230
PA0718152KS□-□□□	1500.00 $\pm$ 10%	1k/0.25V	3.900	0.90	0.290	0.190
PA0718182KS□-□□□	1800.00 $\pm$ 10%	1k/0.25V	4.400	0.80	0.270	0.180
PA0718222KS□-□□□	2200.00 $\pm$ 10%	1k/0.25V	5.300	0.70	0.240	0.170
PA0718272KS□-□□□	2700.00 $\pm$ 10%	1k/0.25V	6.600	0.65	0.220	0.150
PA0718332KS□-□□□	3300.00 $\pm$ 10%	1k/0.25V	8.800	0.60	0.200	0.130
PA0718392KS□-□□□	3900.00 $\pm$ 10%	1k/0.25V	9.700	0.55	0.180	0.120

AR-001C

SPECIFICATION

REF. :

PROD. NAME	Power Inductor	ABC'S DWG NO.		PA0718□□□KS□-□□□		
		REV.	20260526-I	PAGE	2-1	

DWG. No.	Inductance (μ H)	Test Freq. (Hz)	RDC (Ω) max.	SRF (MHz) typ.	Isat (A) max.	Irms (A) max.
PA0718472KS□-□□□	4700.00 $\pm$ 10%	1k/0.25V	12.500	0.50	0.170	0.110
PA0718562KS□-□□□	5600.00 $\pm$ 10%	1k/0.25V	13.800	0.45	0.150	0.100
PA0718682KS□-□□□	6800.00 $\pm$ 10%	1k/0.25V	17.500	0.40	0.140	0.091
PA0718822KS□-□□□	8200.00 $\pm$ 10%	1k/0.25V	19.700	0.35	0.130	0.086
PA0718103KS□-□□□	10000.00 $\pm$ 10%	1k/0.25V	24.000	0.30	0.110	0.076
PA0718123KS□-□□□	12000.00 $\pm$ 10%	1k/0.25V	27.000	0.27	0.100	0.072
PA0718153KS□-□□□	15000.00 $\pm$ 10%	1k/0.25V	37.500	0.25	0.090	0.061
PA0718183KS□-□□□	18000.00 $\pm$ 10%	1k/0.25V	41.000	0.20	0.080	0.058

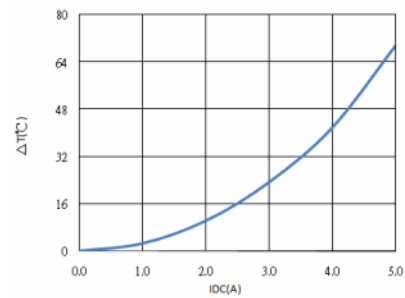
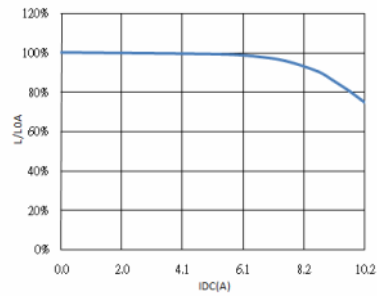
- 1). Electrical specifications at 25°C
- 2). Isat base on $\Delta L/L0A=10\%$ max.
- 3). Irms base on Temp. rise 35°C max.
- 4). Hi-Pot test (Lead - Tube(Middle Of Coil)) : AC 2.5kV / 50Hz / 3mA / 3 Sec

SPECIFICATION

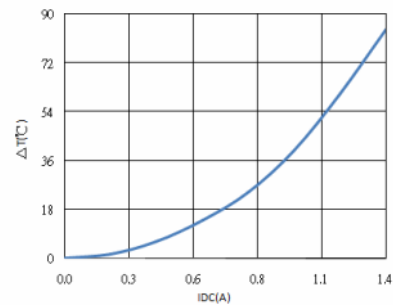
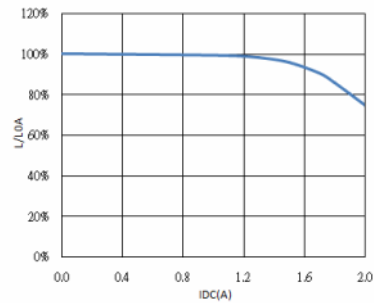
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		REV.	20260526-I	PAGE	3

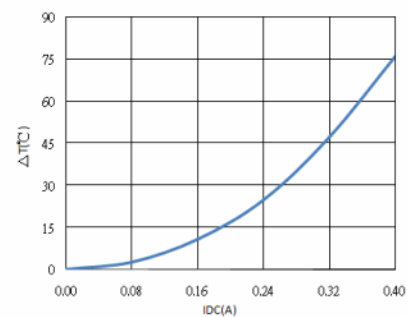
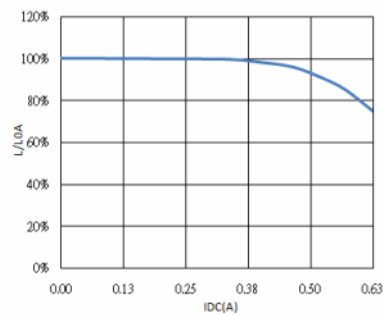
V. Curve :
PA07183R9KS□



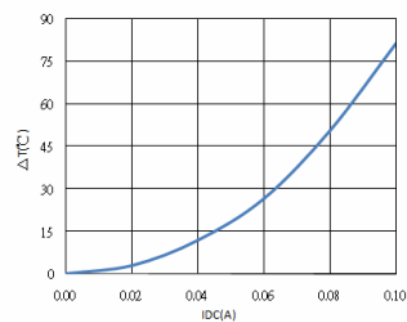
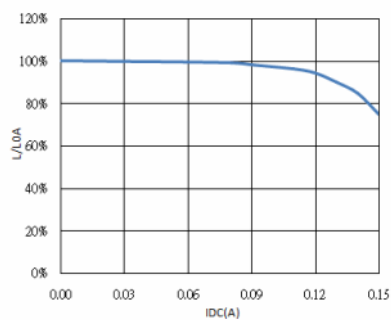
PA0718101KS□



PA0718102KS□



PA0718183KS□



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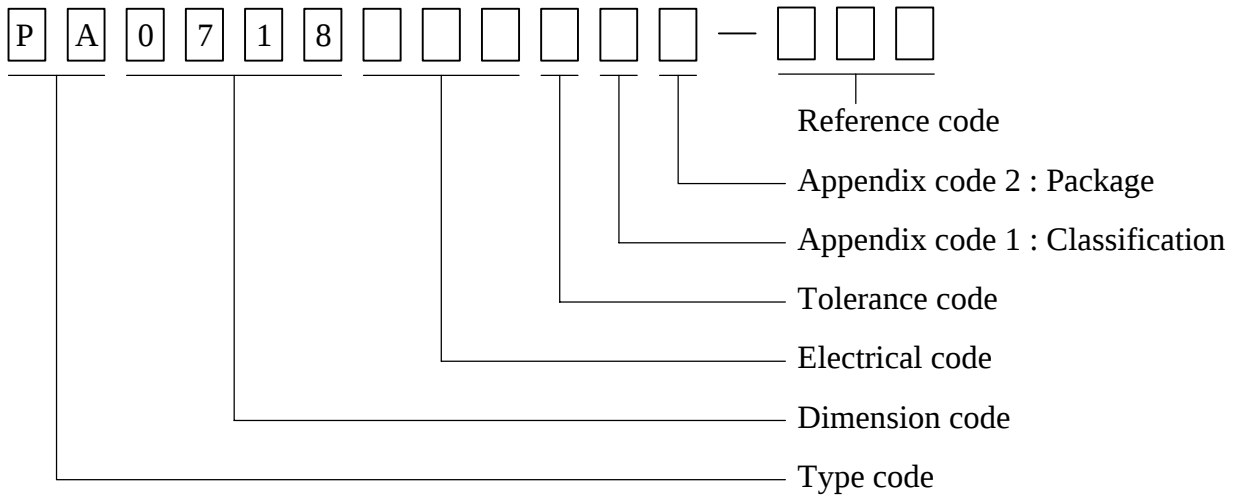
千如電子集團
ABC-ATEC ELECTRONICS GROUP

SPECIFICATION

REF. :

PROD. NAME	Power Inductor	ABC'S DWG NO.		PA0718□□□KS□-□□□		
		REV.	20260526-I		PAGE	4

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	

SPECIFICATION

REF. :

PROD. NAME	Power Inductor	ABC'S DWG NO.	PA0718□□□KS□-□□□		
		REV.	20260526-I	PAGE	5

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。