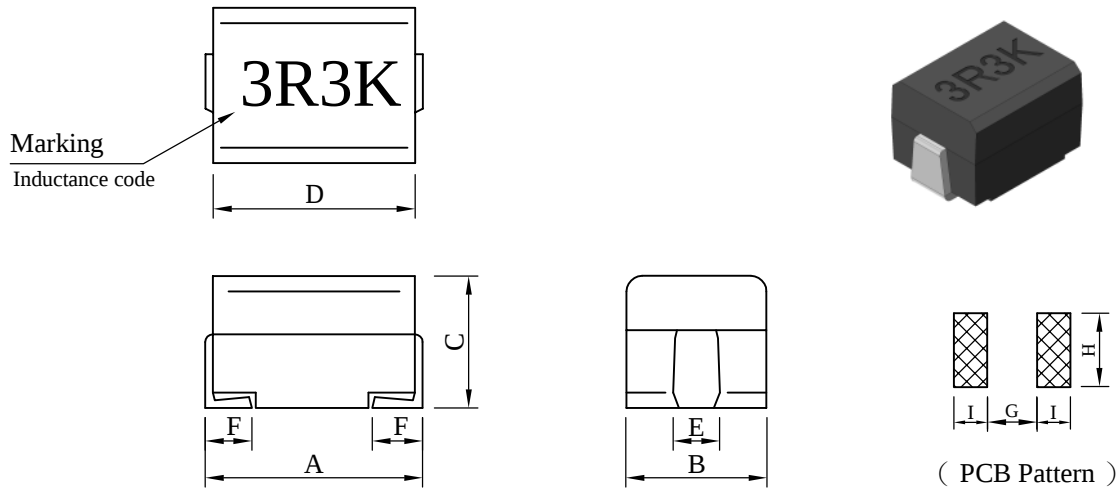


SPECIFICATION

REF. :

PROD. NAME	Wound Chip Inductor	ABC'S DWG NO.	CM4532□□□□S□-□□□		
		REV.	20260107-E	PAGE	1

I . Configuration and dimensions :



Unit : mm

A	B	C	D	E	F	G	H	I
4.50 ±0.3	3.20 ±0.2	3.20 ±0.2	4.20 ±0.2	1.20	1.00 ^{+0.3} _{-0.0}	2.20	1.60	1.50

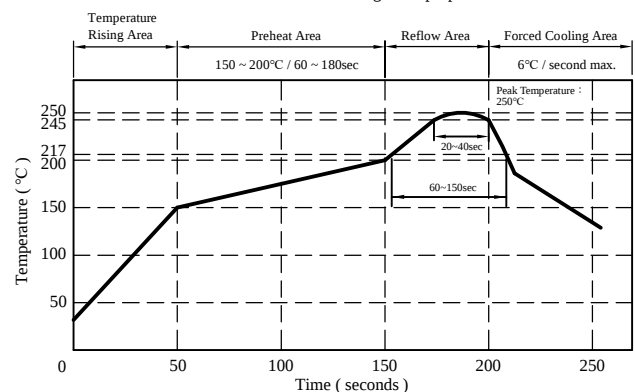
II . Description :

- a . Ferrite drum core construction.
- b . Enamelled copper wire : H class
- c . Product weight : 0.110 g (ref.)
- d . Moisture sensitivity Level 1
- e . Products comply with RoHS' requirements

III . General specification :

- a . Temp. rise : 20°C max.
- b . Ambient temp. : 100°C max.
- c . Operating temp. : -40°C----+125°C
(Temp. rise included)
- d . Terminal pull strength : 1.5 kg min.
- e . Rated current : Current cause
inductance drop within 10%
- f . Resistance to solder heat : 260°C.10 secs.
- g . Resistance to solvent : Per MIL-STD-202F

Reflow profile
 Peak Temp : 250°C max.
 Max time above 245°C : 20~40sec max.
 Max time above 217°C : 60~150sec max.
 200°C~250°C Average Ramp-up Rate : 3°C/second max.



AR-001C

SPECIFICATION

REF. :

PROD.	Wound Chip Inductor	ABC'S DWG NO.	CM4532□□□□S□-□□□			
NAME		REV.	20260107-E	PAGE	2	

IV . Electrical characteristics :

DWG. No.	Inductance (μ H)	Tolerance	Q min.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
CM4532R10□S□-□□□	0.10	K , M	35	25.200	780.0	0.18	800
CM4532R12□S□-□□□	0.12	K , M	35	25.200	735.0	0.20	770
CM4532R15□S□-□□□	0.15	K , M	35	25.200	615.0	0.22	730
CM4532R18□S□-□□□	0.18	K , M	35	25.200	570.0	0.24	700
CM4532R22□S□-□□□	0.22	K , M	40	25.200	505.0	0.25	665
CM4532R27□S□-□□□	0.27	K , M	40	25.200	450.0	0.26	635
CM4532R33□S□-□□□	0.33	K , M	40	25.200	425.0	0.28	605
CM4532R39□S□-□□□	0.39	K , M	40	25.200	390.0	0.30	575
CM4532R47□S□-□□□	0.47	K , M	40	25.200	350.0	0.32	545
CM4532R56□S□-□□□	0.56	K , M	40	25.200	325.0	0.36	520
CM4532R68□S□-□□□	0.68	K , M	40	25.200	300.0	0.40	500
CM4532R82□S□-□□□	0.82	K , M	40	25.200	275.0	0.45	475
CM4532R100□S□-□□□	1.00	J , K , M	50	7.960	250.0	0.50	450
CM4532R120□S□-□□□	1.20	J , K , M	50	7.960	240.0	0.55	430
CM4532R150□S□-□□□	1.50	J , K , M	50	7.960	210.0	0.60	410
CM4532R180□S□-□□□	1.80	J , K , M	50	7.960	190.0	0.65	390
CM4532R220□S□-□□□	2.20	J , K , M	50	7.960	160.0	0.70	380
CM4532R270□S□-□□□	2.70	J , K , M	50	7.960	150.0	0.75	370
CM4532R330□S□-□□□	3.30	J , K , M	50	7.960	110.0	0.80	355
CM4532R390□S□-□□□	3.90	J , K , M	50	7.960	100.0	0.90	330
CM4532R470□S□-□□□	4.70	J , K , M	50	7.960	80.0	1.00	315
CM4532R560□S□-□□□	5.60	J , K , M	50	7.960	50.0	1.10	300
CM4532R680□S□-□□□	6.80	J , K , M	50	7.960	35.0	1.20	285
CM4532R820□S□-□□□	8.20	J , K , M	50	7.960	28.0	1.40	270
CM4532R1000□S□-□□□	10.00	J , K , M	50	2.520	22.0	1.60	250
CM4532R1200□S□-□□□	12.00	J , K , M	50	2.520	20.0	2.00	225
CM4532R1500□S□-□□□	15.00	J , K , M	50	2.520	18.0	2.50	200
CM4532R1800□S□-□□□	18.00	J , K , M	50	2.520	16.0	2.80	190
CM4532R2200□S□-□□□	22.00	J , K , M	50	2.520	14.0	3.20	180
CM4532R2700□S□-□□□	27.00	J , K , M	50	2.520	13.0	3.60	170
CM4532R3300□S□-□□□	33.00	J , K , M	50	2.520	12.0	4.00	160
CM4532R3900□S□-□□□	39.00	J , K , M	50	2.520	11.0	4.50	150
CM4532R4700□S□-□□□	47.00	J , K , M	50	2.520	10.5	5.00	140
CM4532R5600□S□-□□□	56.00	J , K , M	50	2.520	10.0	5.50	135
CM4532R6800□S□-□□□	68.00	J , K , M	50	2.520	9.5	6.00	130
CM4532R8200□S□-□□□	82.00	J , K , M	50	2.520	8.5	7.00	120
CM4532R1010□S□-□□□	100.00	J , K , M	40	0.796	8.0	8.00	110
CM4532R1210□S□-□□□	120.00	J , K , M	40	0.796	7.0	8.00	110
CM4532R1510□S□-□□□	150.00	J , K , M	40	0.796	6.0	9.00	105
CM4532R1810□S□-□□□	180.00	J , K , M	40	0.796	5.5	9.50	102
CM4532R2210□S□-□□□	220.00	J , K , M	40	0.796	5.0	10.00	100
CM4532R2710□S□-□□□	270.00	J , K , M	40	0.796	4.5	12.00	92
CM4532R3310□S□-□□□	330.00	J , K , M	40	0.796	4.0	14.00	85
CM4532R3910□S□-□□□	390.00	J , K , M	40	0.796	3.5	18.00	80
CM4532R4710□S□-□□□	470.00	J , K , M	40	0.796	3.5	26.00	62
CM4532R5610□S□-□□□	560.00	J , K , M	30	0.796	3.0	30.00	50
CM4532R6810□S□-□□□	680.00	J , K , M	30	0.796	3.0	30.00	50
CM4532R8210□S□-□□□	820.00	J , K , M	30	0.796	2.5	35.00	30
CM4532R1020□S□-□□□	1000.00	J , K , M	20	0.252	2.5	40.00	30

1). Electrical specifications at 25°C

2). Tolerance : J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

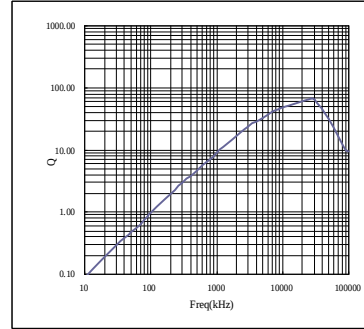
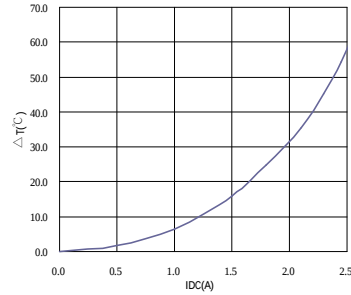
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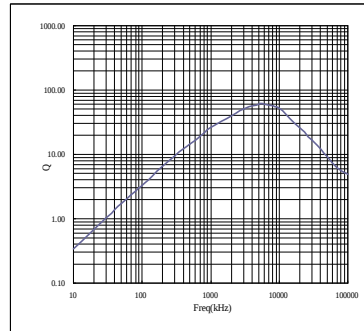
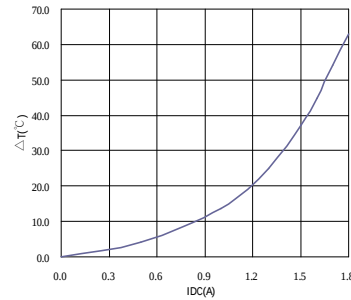
PROD. NAME	Wound Chip Inductor	ABC'S DWG NO.		CM4532□□□□S□-□□□		
		REV.	20260107-E	PAGE	3	

V . Curve :

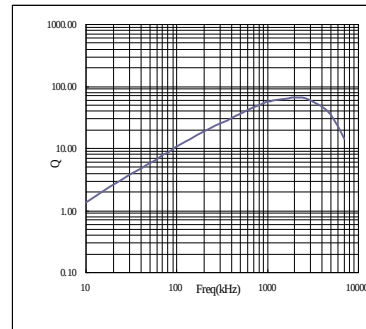
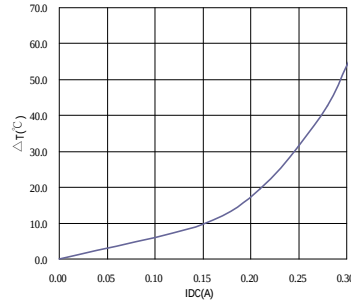
CM4532R10□S□



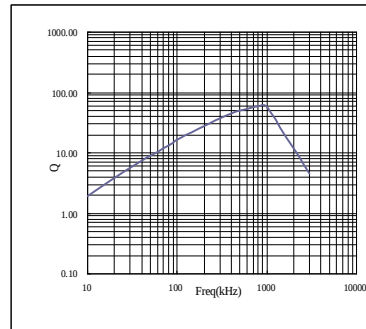
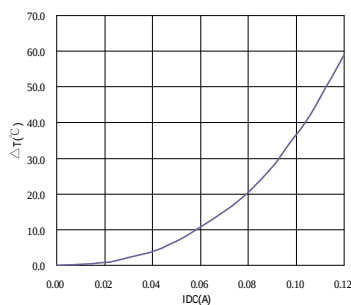
CM45321R0□S□



CM4532101□S□



CM4532102□S□



AR-001C



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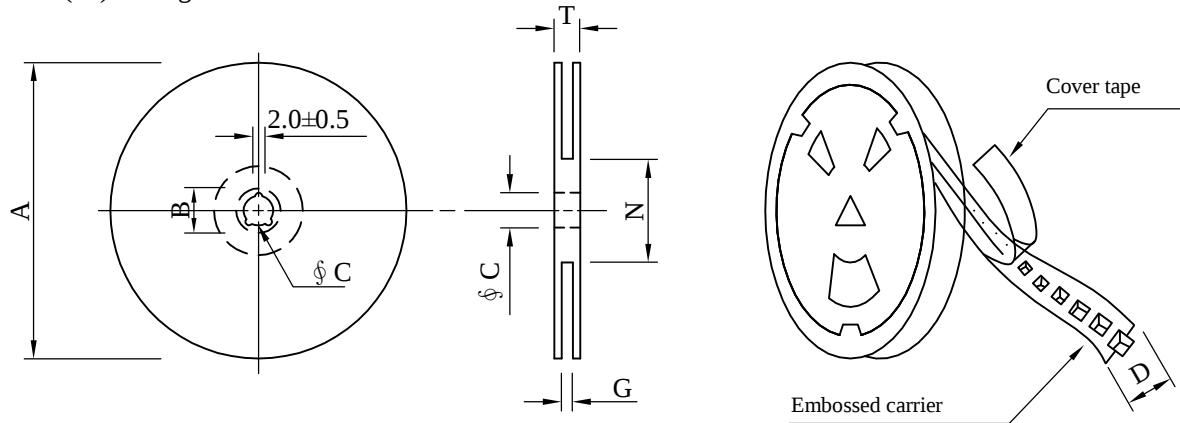
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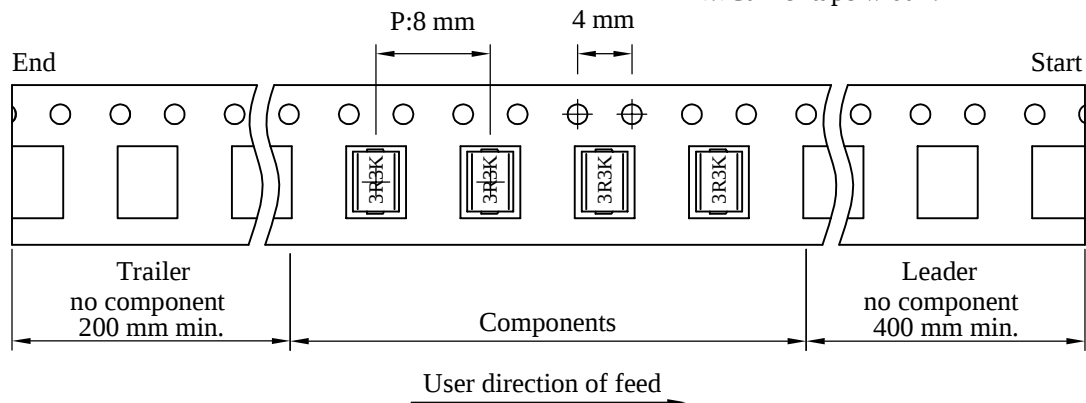
PROD. NAME	Wound Chip Inductor	ABC'S DWG NO.	CM4532□□□□S□-□□□		
		REV.	20260107-E	PAGE	4

VI . Packaging information :

(1) Configuration



※ Carrier tape width : D



※ There is no differentiation or directions of polarity (marking) in the packaging method.

(2) Dimensions

Unit:mm

Style	A	B	C	D	G	N	T
07 - 12	178	21±0.8	13	12	14 ⁺⁰	50 ⁻⁰	16.5
13 - 12	330	21±0.8	13±0.5	12	14 ⁺⁰	50 ⁻⁰	18.4

(3) Q'TY & G.W. Pe package

Code	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (g)	Style	Q'TY (pcs)	G.W. (kg)	Size (cm)
B 、 D	500	130	07 - 12	20,000	7.20	39.5 x 39.5 x 23.0
C	2,000	540	13 - 12	12,000	5.60	37.5 x 36.5 x 19.0
F	1,000	270	13 - 12	6,000	2.80	37.5 x 36.5 x 19.0

AR-001C



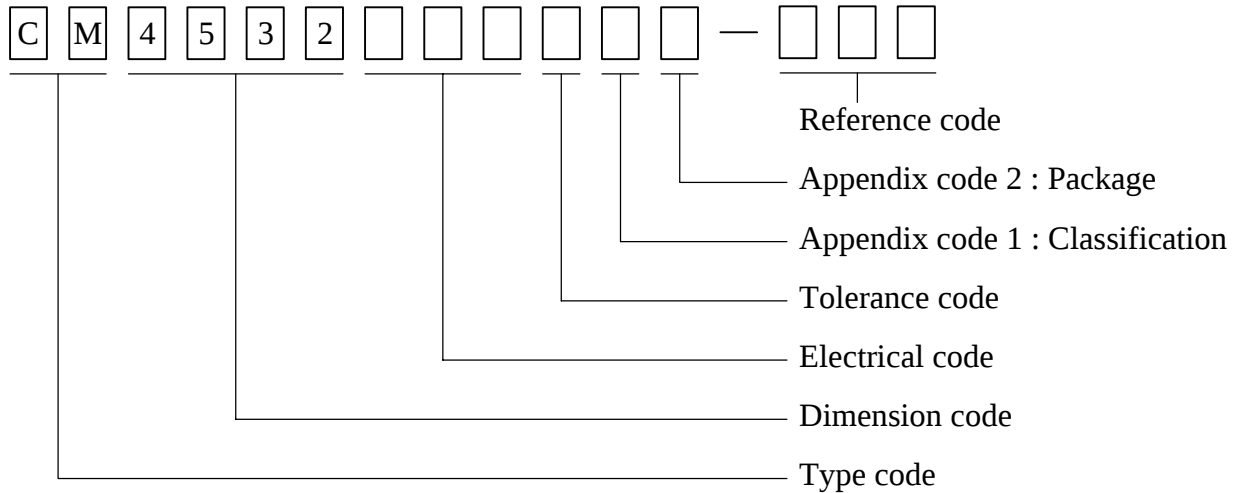
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SPECIFICATION

REF. :

PROD. NAME	Wound Chip Inductor	ABC'S DWG NO.	CM4532□□□□S□-□□□		
		REV.	20260107-E	PAGE	5

VII . 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
B	T /R (Reel package)	UCT	Non-antistatic	Antistatic	500 pcs	
C	T /R (Reel package)	UCT	Non-antistatic	Antistatic	2,000 pcs	
D	T /R (Reel package)	UCT	Non-antistatic	Antistatic	500 pcs	
F	T /R (Reel package)	UCT	Non-antistatic	Antistatic	1,000 pcs	

AR-001C



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SPECIFICATION

REF. :

PROD. NAME	Wound Chip Inductor	ABC'S DWG NO.		CM4532□□□□S□-□□□	
		REV.	20260107-E	PAGE	6

VIII . 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。