

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2754

SAMPLE NO: 260310348

DDY PART NO: CB0425-3R0M-U-HF

CUST P/N:

DESCRIPTION: FERRITE BAR COILS

DRAWING		
MADE	CHECKED	APPROVED
姚慧娟	黄积有	周光军
DATE: 2026年3月14日		

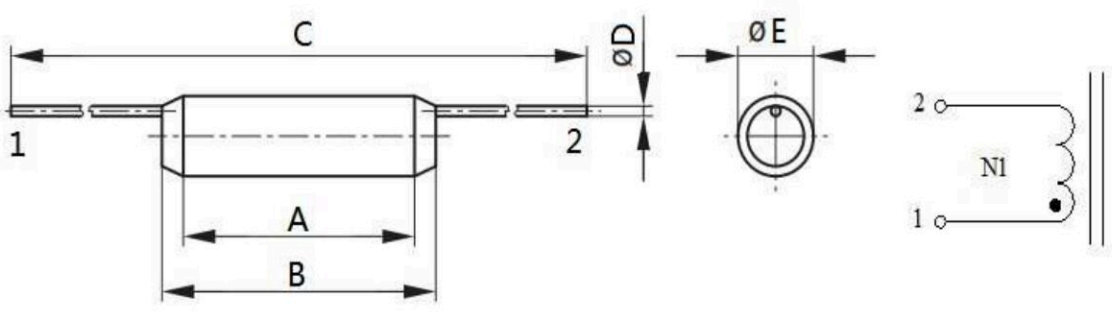
CUSTOMER APPROVE

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PART NO:	CB0425-3R0M-U-HF	DATE:	2026/3/14

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1. SHAPES AND DIMENGSIONS (UNIT:mm)		ELECTRICAL SCHEMATICS	
		SPEC.(mm)	
		A	25.5 MAX.
		B	29+0/-3
		C	102+0/-5
		D	Φ1.2±0.1
		E	7.5 MAX.

2.WINDING CONSTRUCTION (绕组结构) :				
ORDER	S - F	WIRE SIZE	TURNS	MOTES
N1	1 - 2	2UEW/F Φ1.2mm	13Ts	密绕

Note:

3. ELECTRICAL SPECIFICATION & TEST INSTRUMENTS@25℃			
ITEM	SPEC. RANGE	TEST CONDITION	TEST INSTRUMENTS
L	3.0uH±20%	1MHz/1V	TH2828
DCR	6.0mΩ MAX	25℃	502BC
Isat	9A	LDrop≤10% 1MHz/1V	TH1778A+TH2829A
Irms	9A	△T≤40℃	TH1778A+TH2829A

4. PART NUMBERING SYSTEM				
CB □□□□ - □R□ □ - □□ 1 2 3 4 5				
1 PRODUCT SYMBOL (产品代号)				
2 DIMENSIONS (规格尺寸)				
3 INDUCTANCE (电感量)				
4 TOLERANCE (公差) : J±5%; K±10%; L±15%; M±20%; P±25%; N±30%				
5 E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free				

APPROVED BY	CHECKED BY	DRAFT
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5. TEST DATA OF ELECTRICAL CHARACTERISTIC

ELECTRICAL CHARACTERISTIC				DIMENSIONS(mm)							
TEST ITEM	L	DCR	Isat	A	B	C	D	E			
	1MHz/1V	25°C	LDrop≤10% 1MHz/1V	(mm)	(mm)	(mm)	(mm)	(mm)			
CON.				25.5 MAX.	29+0/- 3	102+0/ -5	Φ 1.2±0.1	7.5 MAX.			
SPEC.	3.0uH±20%	6.0mΩ MAX	9A								
1	3.09	4.33	OK	24.99	27.21	101.20	1.20	6.84			
2	3.09	4.32	OK	25.03	27.57	101.00	1.20	6.83			
3	3.12	4.37	OK	25.00	27.86	100.90	1.20	6.84			
4	3.08	4.33	OK	24.96	27.87	100.00	1.20	6.82			
5	3.10	4.35	OK	25.10	27.80	101.10	1.20	6.84			
6											
7											
8											
9											
10											
X	3.10	4.34		25.02	27.66	100.84	1.20	6.83			
R	0.04	0.05		0.14	0.66	1.20	0.00	0.02			

综合判定:

COLLIGATION DETERMINANT:

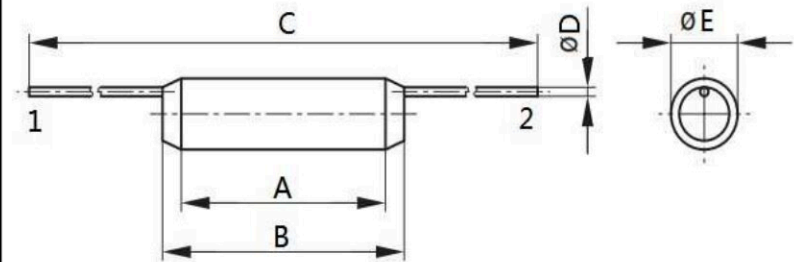


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外观尺寸图

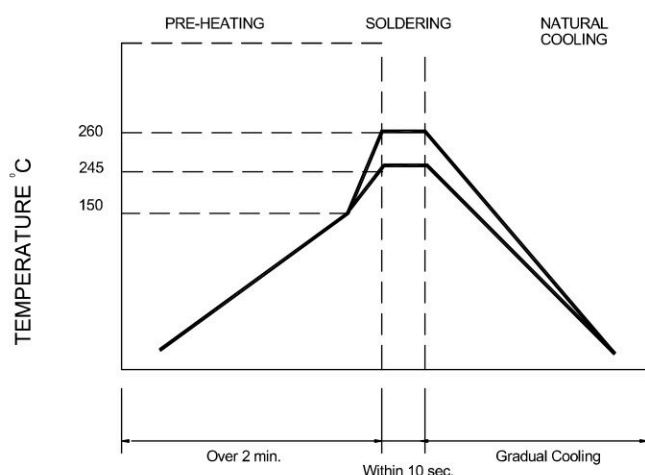


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6.Soldering Conditions

Wave Soldering:



Note:

- Never contact the ceramic with the iron tip
- 1.0mm tip diameter (max)

7. MATERIAL LIST

NO	ITEM	DESCRIPTION	SUPPLIER	RATING	UL File
1	CORE	S4D R4×25	R Y	NA	NA
		OR LH14 R4×25	SU MEI ER	NA	NA
2	WIRE	2UEW/F Φ1.2mm	JIN YAN	155°C	E238500
		OR UEWN/U Φ1.2mm	PACIFIC	155°C	E201757
3	EPOXY	QDJ600(E)	QIANG DA	130°C	E351561
		OR EQUIVALENT			
4	TUBE	T-2 UL透明管	QUAN TAI	125°C	E227336
		OR EQUIVALENT			
5	SOLDER	Sn99.90AA	YUNNAN TIN	NA	NA

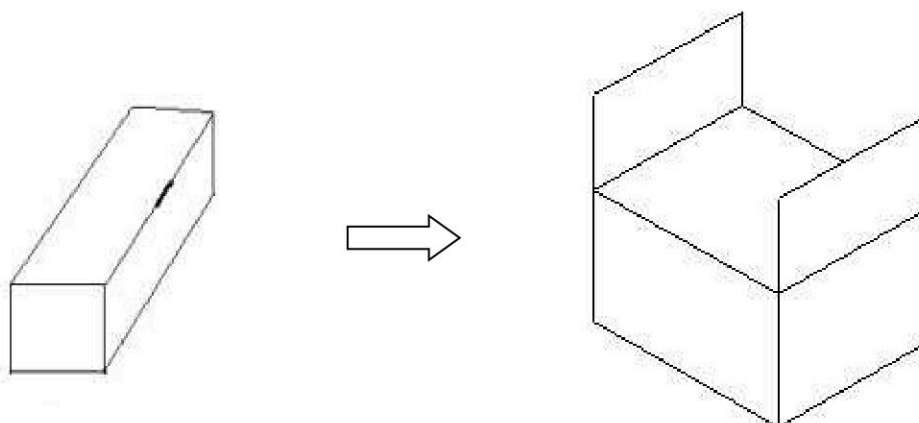
REMARK:

1. Operation temperature : -40 ~ +105°C (Including coil temperature rise)
2. Storage temperature range from -25°C to +85°C

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8.PACKAGE SPECIFICATION



Master Carton

NO.	Packaging Materials	ReferenceDimension	Material	Quantity
1	Box	255×70×72(mm)	B5B-E	100PCS/Box
2	Master Carton	380×265×165(mm)	K636K	1000PCS/10Box

备注:1箱=10盒=10×100=1000PCS

8.REMARK:

成品单重:4.72g

特记事项:

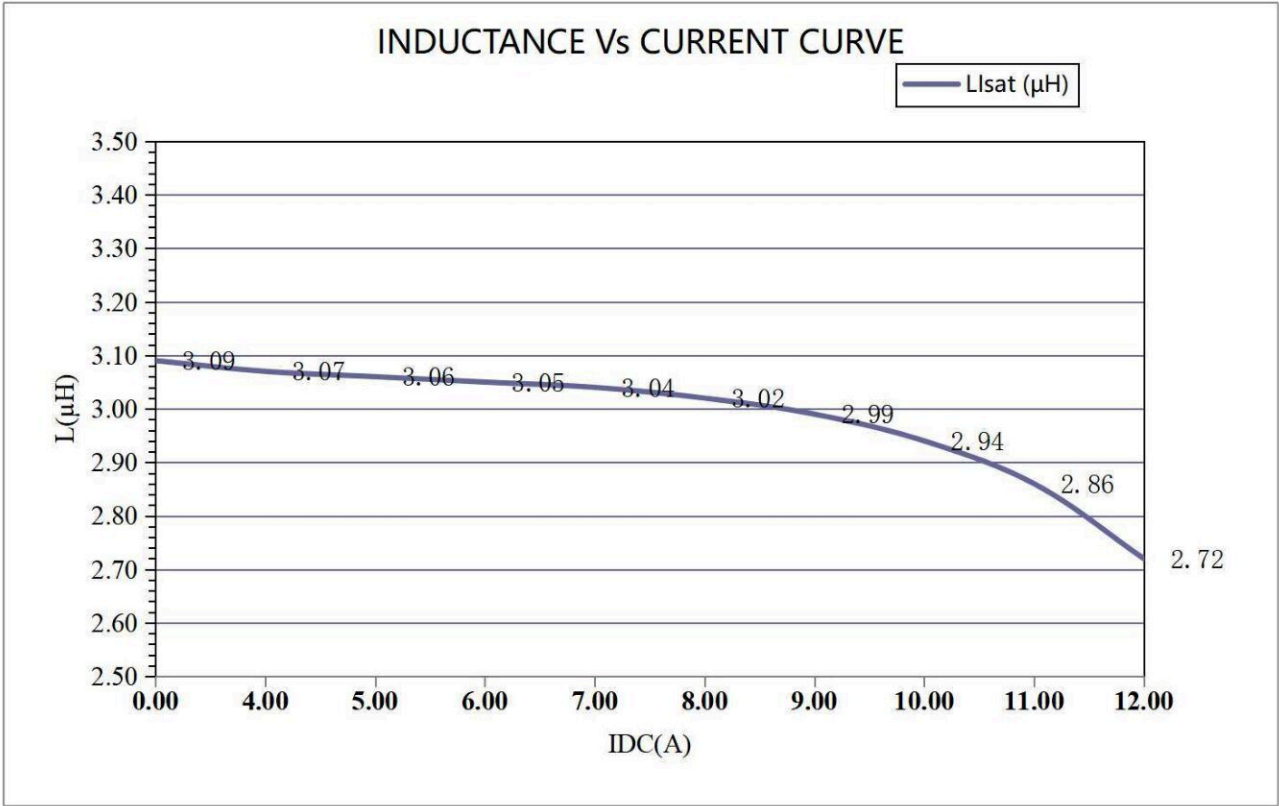
此产品为非车规认证产品

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9.ELECTRICAL CHARACTERISTIC CURVE----L 、 ΔT vs I (A)

Inductances (μH) VS Direct current (A); Direct Current(A)												
CURRENT(A)	0.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0		
Llsat (μH)	3.09	3.07	3.06	3.05	3.04	3.02	2.99	2.94	2.86	2.72		
Drop%	0.00%	0.65%	0.97%	1.29%	1.62%	2.27%	3.24%	4.85%	7.44%	11.97%		



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