

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: _____

DESCRIPTION: _____ WIRE WOUND CHIP INDUCTOR _____

DDY PART NO: _____ CGW1608F系列 _____

CUSTOMERMODELNO: _____



山西中磁尚善科技有限公司
CMSS Technology Co., Ltd

山西中磁尚善科技有限公司

CUSTOMER:		REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 1 OF 6
PART NO:	CGW1608F系列	SN.	
CUSTOMER NO:		DATE:	2022年12月21日

CATALOG

Resume	P2
Shape & Dimension	P3
Part numbering system	P3
General specification	P3
Electrical Characteristics List	P4
Soldering Conditions	P5
Package Information	P6

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CUSTOMER:		REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 3 OF 6
PART NO:	CGW1608F系列	SN.	
CUSTOMER NO:		DATE:	2022年12月21日

1. SHAPE & DIMENSION



CODE		L(Max)	W(Max)	T(Max)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	CGW1608F	1.80	1.25	1.10	0.64	1.02	0.64

2. PART NUMBERING SYSTEM

CG W 1608 F 4R7 M T
 ↓ ↓ ↓ ↓ ↓ ↓ ↓
 1 2 3 4 5 6 7

- 1: 中磁尚善CMSS 品牌 brand:CG
- 2: 产品类型Product symbol:
W: 绕线式铁氧体电感器Wire wound ferrite inductor
- 3: 尺寸Dimensions:(L*W*T)(1.6*0.8*0.8mm)
- 4: 材料代号Material code:F
- 5: 电感量Inductance:4R7=4.7uH
- 6: 误差范围Tolerance: M,±20%
- 7: 包装Packaging: 编带包装Tape&Reel:T

- a. Rating DC current: Temperature rise(ΔT) is 40°C approximately at Irms.
- b. Operating temp.: -40°C~ +85°C
- c. Storage temp.: -10°C ~ +40°C R.H.: 65% Max
- d. Moisture sensitivity level (MSL) 2 (1 year floor life at <30°C/65% relative humidity)

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CUSTOMER:		REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 4 OF 6
PART NO:	CGW1608F系列	SN.	
CUSTOMER NO:		DATE:	2022年12月21日

4. Electrical Characteristics List

NO.	Part Number	L	Q	SRF	Rdc±30%	Irms	Isat	
		(μH)	(Typ)	(MHz)Typ	(Ω)	(mA)Typ	(mA)Typ	
1	CGW1608F1R0MT	1.0@1MHz	10@1MHz	350.0	0.14	900.00	800.00	
2	CGW1608F2R2MT	2.2@1MHz	10@1MHz	90.00	0.30	600.00	580.00	
3	CGW1608F4R7MT	4.7@1MHz	10@1MHz	57.00	0.46	500.00	450.00	
4	CGW1608F6R8MT	6.8@1MHz	9@1MHz	25.00	0.67	500.00	410.00	
5	CGW1608F100MT	10@1MHz	9@1MHz	25.00	1.00	380.00	270.00	
6	CGW1608F150MT	15@1MHz	9@1MHz	25.00	1.42	350.00	220.00	
7	CGW1608F220MT	22@1MHz	8@1MHz	20.00	2.46	270.00	180.00	

产品公差：K±10%；M±20%

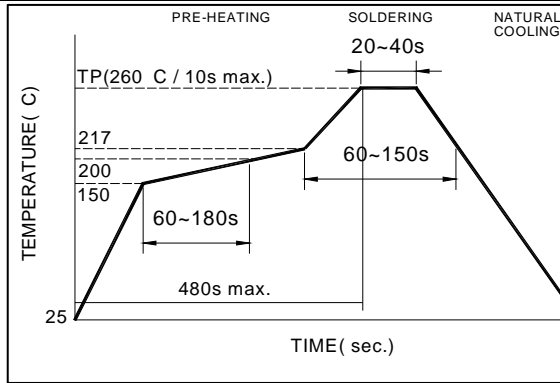
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CUSTOMER:		REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 5 OF 6
PART NO:	CGW1608F系列	SN.	
CUSTOMER NO:		DATE:	2022年12月21日

5. SOLDERING CONDITIONS

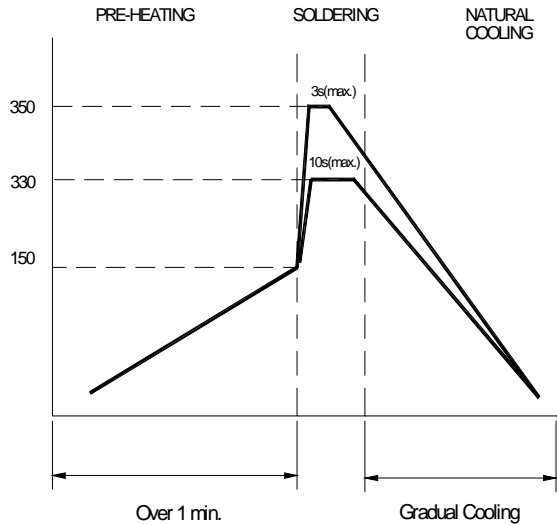
**Figure 1.
Re-flow
Soldering
(Lead Free)**



Note:

- Preheat circuit and products to 150 °C
- 260°C tip temperature (max)
- Reflow times: no more than 2 times
- Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

**Figure 2.
Hand
Soldering**



Note:

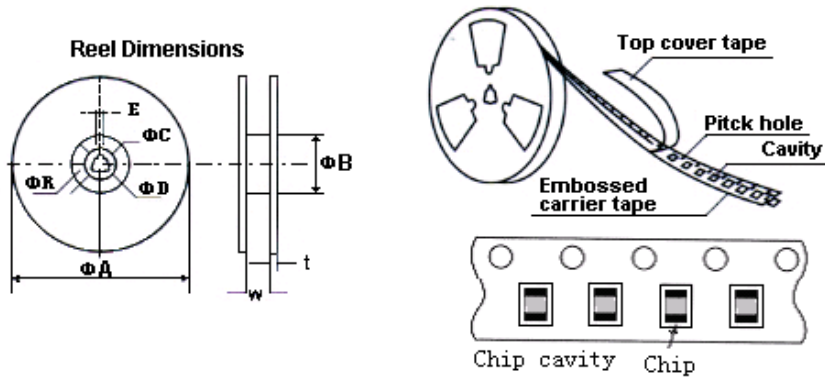
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

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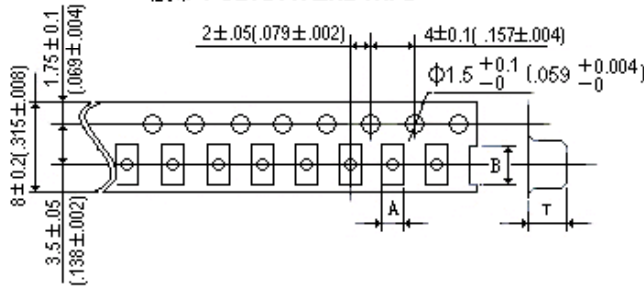
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CUSTOMER:		REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 6 OF 6
PART NO:	CGW1608F系列	SN:	
CUSTOMER NO:		DATE:	2022年12月21日

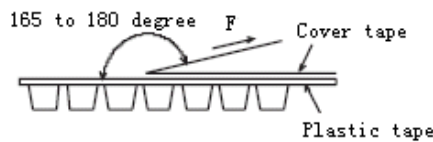
6. PACKAGING(unit: mm)



胶带 POLYSTYRENE TAPE



Peeling off force
 Pull strength
 0402~1210:20g~80g
 Speed of peeling off:
 300mm/min±10%



	A	B	T
	Typ	Typ	Typ
胶带	1.15	1.83	0.95

ΦA	ΦB	ΦC	ΦD	E	W	t	
Typ	Typ	Typ	Typ	Typ	Typ	Typ	
178	60	13	21	2	8.4	2	

包装数量(PACKAGING QUANTITY): 4000Pcs/盘

注意:

此物料不涉及汽车或相关产品方面的应用，否则，由此引起的一切品质和责任问题，我司将概不承担。

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