承 認 書

SPECIFICATION FOR APPROVAL

CUSTOMER:	STD
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR
PART NO:	MWI1008UC系列
CUST. PART NO:	
REV. NO.	A0

DRAWING		
PREPARED	CHECKED	APPROVED
Yu	Lu	Zeng
DATE:	2023/10/10	

CUSTOMER APPROVE

铭易轩电子科技有限公司

Ming Yixuan Electronic Technology Co., LTD

1.dress: VV Building, No. 20 Jingtai Road, Dalang Town, Dongguan City, Guangdong Province, P.R.China TEL:13640935893

2.dress: Times Center Building, Shajing Subdistrict, Bao'an District, Shenzhen (Shenzhen Branch) TEL:13510086325

Specifications subjectto change withoutnotice.Please confirm according to our companyfor latestinformation

网址: http://www.dgmingyixuan.com

铭易轩电子 SPECIFICATION FOR APPROVAL

CUSTOMER:		REV. NO.	A0
PART NO:	MWI1008UC系列	PAGE NO:	1/7
CUST. PART NO:		DATE:	2023/10/10

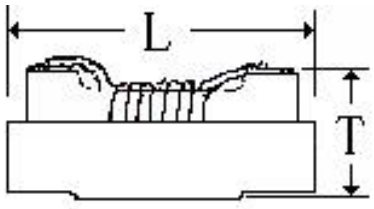
MODIFY RECORD 变更履历

Date	Rev. No.	Change Content	Prepared	Approved
2023/10/10	A0	New issue	Yu	Zeng

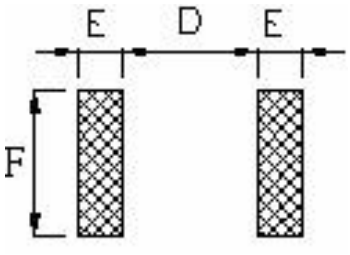
铭易轩电子 SPECIFICATION FOR APPROVAL

CUSTOMER:		REV. NO.	A0
PART NO:	MWI1008UC系列	PAGE NO:	2/7
CUST. PART NO:		DATE:	2023/10/10

1. SHAPE & DIMENSION (UNIT:mm)



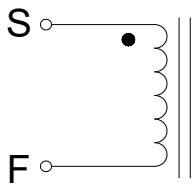




Recommended patterns

L	W	T	E	F	D
2.92 Max.	2.70 Max.	2.23 Max.	1.02 Typ.	2.54 Typ.	1.27 Typ.

2. SCHEMATIC



3. PART NUMBERING SYSTEM

MWI	xxx	UC	xxx	J	S	T	-	HF
1	2	3	4	5	6	7		8

1 PRODUCT SYMBOL（产品代号）

2 DIMENSIONS （规格尺寸）

3 MATERIAL （芯片类型）

4 INDUCTANCE（电感量）

5 TOLERANCE（公差）：G±2%；J±5%；K±10%；M±20%

6 TERMINAL （端电极材料）： G-金端头；S-锡端头；

7 PACKAGING （包装方式）：T-编带盘装；B –散装

8 E.P.（环保）：LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

APPROVED	CHECKED	PREPARED
Zeng	Lu	Yu

铭易轩电子 SPECIFICATION FOR APPROVAL

CUSTOMER:		REV. NO:	A0
PART NO:	MWI1008UC系列	PAGE NO:	3/7
CUST. PART NO:		DATE:	2023/10/10

4. ELECTRICAL CHARACTERISTICS

No.	Part Number	L	Freq	Q	SRF	Rdc	Irms	Tolerance
		(nH)	(MHz)	Min.	(MHz)Min.	(Ω) Max.	(mA) Max.	
1	MWI1008UC4N7□ST-HF	4.7	50	50@500MHz	4100	0.08	1000	J,K,M
2	MWI1008UC5N6□ST-HF	5.6	50	30@500MHz	4100	0.20	650	J,K,M
3	MWI1008UC10N□ST-HF	10	50	50@500MHz	4100	0.08	1000	J,K,M
4	MWI1008UC12N□ST-HF	12	50	50@500MHz	3300	0.09	1000	J,K,M
5	MWI1008UC15N□ST-HF	15	50	50@500MHz	2500	0.13	1000	J,K,M
6	MWI1008UC18N□ST-HF	18	50	50@350MHz	2500	0.11	1000	J,K,M
7	MWI1008UC22N□ST-HF	22	50	55@350MHz	2400	0.12	1000	J,K,M
8	MWI1008UC27N□ST-HF	27	50	55@350MHz	1600	0.13	1000	J,K,M
9	MWI1008UC39N□ST-HF	39	50	60@350MHz	1500	0.15	1000	J,K,M
10	MWI1008UC47N□ST-HF	47	50	65@350MHz	1500	0.16	1000	J,K,M
11	MWI1008UC56N□ST-HF	56	50	65@350MHz	1300	0.18	1000	J,K,M
12	MWI1008UC68N□ST-HF	68	50	65@350MHz	1300	0.20	1000	J,K,M
13	MWI1008UC91N□ST-HF	91	50	60@350MHz	1000	0.56	650	G,J,K,M
14	MWI1008UCR10□ST-HF	100	25	60@350MHz	1000	0.56	650	G,J,K,M
15	MWI1008UCR12□ST-HF	120	25	60@350MHz	950	0.63	650	G,J,K,M
16	MWI1008UCR15□ST-HF	150	25	45@100MHz	850	0.70	580	G,J,K,M
17	MWI1008UCR18□ST-HF	180	25	45@100MHz	750	0.77	620	G,J,K,M
18	MWI1008UCR20□ST-HF	200	25	45@100MHz	700	0.84	500	G,J,K,M
19	MWI1008UCR22□ST-HF	220	25	45@100MHz	700	0.84	500	G,J,K,M
20	MWI1008UCR27□ST-HF	270	25	45@100MHz	600	0.91	500	G,J,K,M
21	MWI1008UCR33□ST-HF	330	25	45@100MHz	570	1.05	450	G,J,K,M
22	MWI1008UCR39□ST-HF	390	25	45@100MHz	500	1.12	470	G,J,K,M
23	MWI1008UCR47□ST-HF	470	25	45@100MHz	450	1.19	470	G,J,K,M
24	MWI1008UCR56□ST-HF	560	25	45@100MHz	415	1.33	400	G,J,K,M

□:表示产品公差

APPROVED	CHECKED	PREPARED
Zeng	Lu	Yu

CUSTOMER:		REV. NO:	A0
PART NO:	MWI1008UC系列	PAGE NO:	4/7
CUST. PART NO:		DATE:	2023/10/10

4. ELECTRICAL CHARACTERISTICS

No.	Part Number	L	Freq	Q	SRF	Rdc	Irms	Tolerance
		(nH)	(MHz)	Min.	(MHz)Min.	(Ω) Max.	(mA) Max.	
25	MWI1008UCR68□ST-HF	680	25	45@100MHz	375	1.47	400	G,J,K,M
26	MWI1008UCR82□ST-HF	820	25	45@100MHz	350	1.61	400	G,J,K,M
27	MWI1008UCR91□ST-HF	910	25	35@50MHz	320	1.68	380	G,J,K,M
28	MWI1008UC1R□□ST-HF	1000	25	35@50MHz	290	1.80	370	J,K,M
29	MWI1008UC1R2□ST-HF	1200	7.9	35@50MHz	250	2.00	310	J,K,M
30	MWI1008UC1R5□ST-HF	1500	7.9	28@50MHZ	200	2.30	330	J,K,M
31	MWI1008UC1R8□ST-HF	1800	7.9	28@50MHZ	160	2.60	300	J,K,M
32	MWI1008UC2R2□ST-HF	2200	7.9	28@50MHZ	160	2.80	280	J,K,M
33	MWI1008UC2R7□ST-HF	2700	7.9	22@25MHz	140	3.20	290	J,K,M
34	MWI1008UC3R3□ST-HF	3300	7.9	22@25MHz	110	3.40	290	J,K,M
35	MWI1008UC3R9□ST-HF	3900	7.9	20@25MHz	100	3.60	260	J,K,M
36	MWI1008UC4R7□ST-HF	4700	7.9	20@7.9MHz	60	4.00	260	J,K,M
37	MWI1008UC5R6□ST-HF	5600	7.9	16@7.9MHz	20	5.70	240	J,K,M
38	MWI1008UC6R8□ST-HF	6800	7.9	18@7.9MHz	40	7.70	200	J,K,M
39	MWI1008UC8R2□ST-HF	8200	7.9	18@7.9MHz	25	10.70	170	J,K,M
40	MWI1008UC100□ST-HF	10000	7.9	18@7.9MHz	25	12.70	100	J,K,M

□:表示产品公差

Test remarks

(1). All test data is referenced to 25 ℃ ambient.

(2). Irms: DC current that causes the temperature rise (△T ≦40℃) from 25℃ ambient.

5. GENERAL SPECIFICATION

(1). Operating temp.: -40℃ ~ +125℃ (Including self-generated heat).

(2). Storage temp.: -10℃ ~ +40℃ R.H.:60% Max.

(3). Moisture sensitivity level (MSL) 1

(4). Recommended products should be used within 12 months from the date of delivery

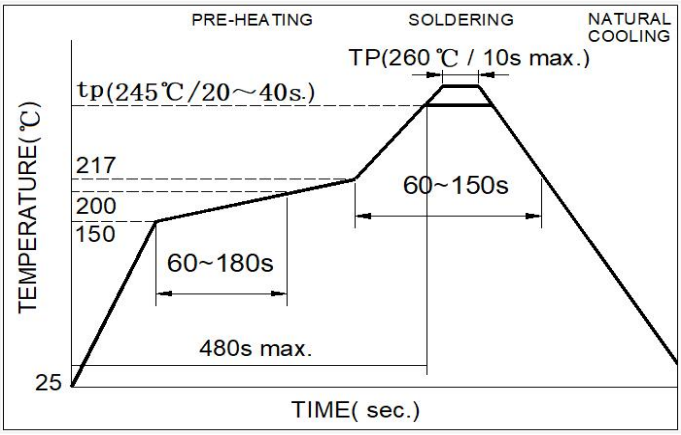
(5). The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

APPROVED	CHECKED	PREPARED
Zeng	Lu	Yu

CUSTOMER:		REV. NO.	A0
PART NO:	MWI1008UC系列	PAGE NO:	5/7
CUST. PART NO:		DATE:	2023/10/10

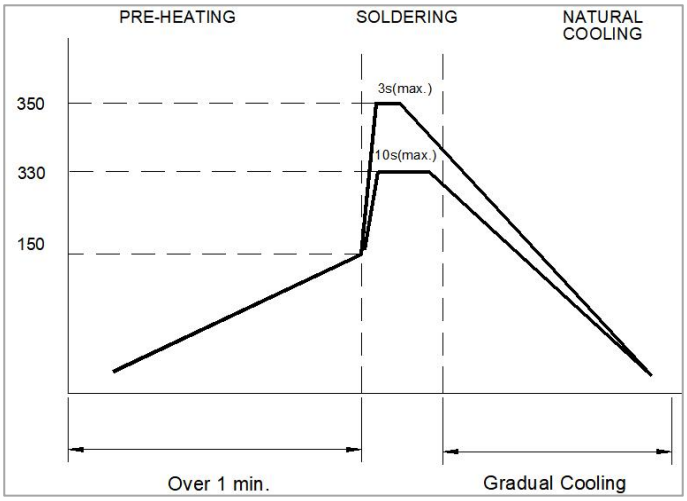
6. SOLDERING CONDITIONS

Figure 1. Re-flow Soldering (Lead Free)



Note：
Preheat circuit and products to 150℃
260℃ 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



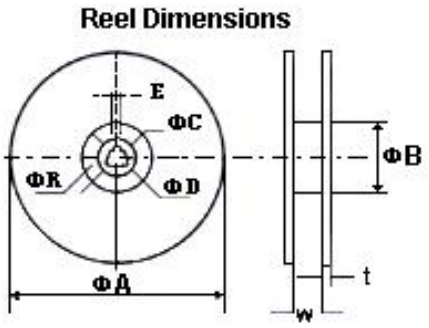


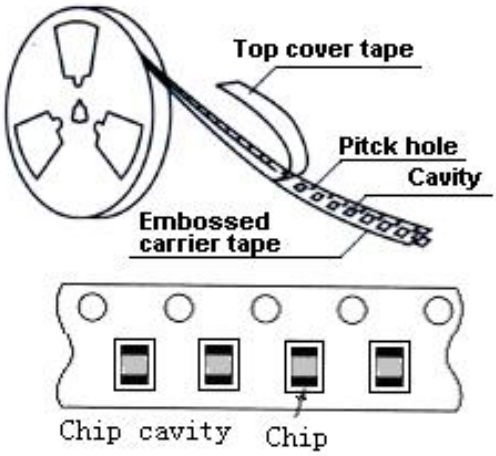
Note：
Use a 20 watt soldering iron with tip diameter of 1.0mm
Limit soldering time to 3 sec.

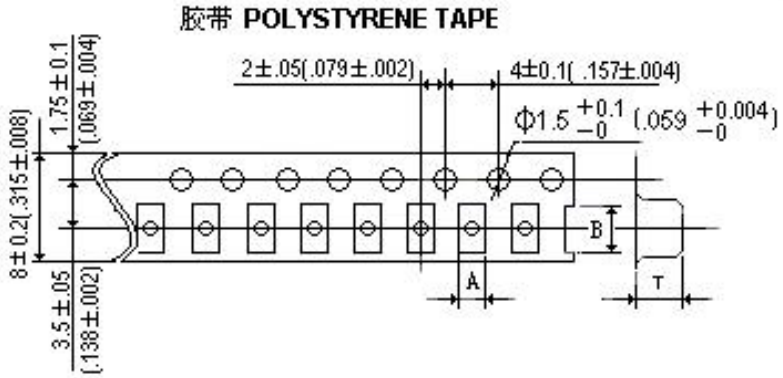
APPROVED	CHECKED	PREPARED
Zeng	Lu	Yu

CUSTOMER:		REV NO:	A0
PART NO:	MWI1008UC系列	PAGE NO:	6/7
CUST. PART NO:		DATE:	2023/10/10

7. PACKAGING(unit: mm)



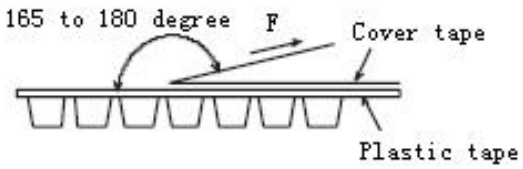




Peeling off force

Pull strength
0402～1210:20g～80g

Speed of peeling off:
300mm/min±10%



		A	B	T
胶带	1008	2.96	3.60	2.40

Type	ΦA	ΦB	ΦC	ΦD	E	W	t
1008	178	60	13	21	2	8.4	2

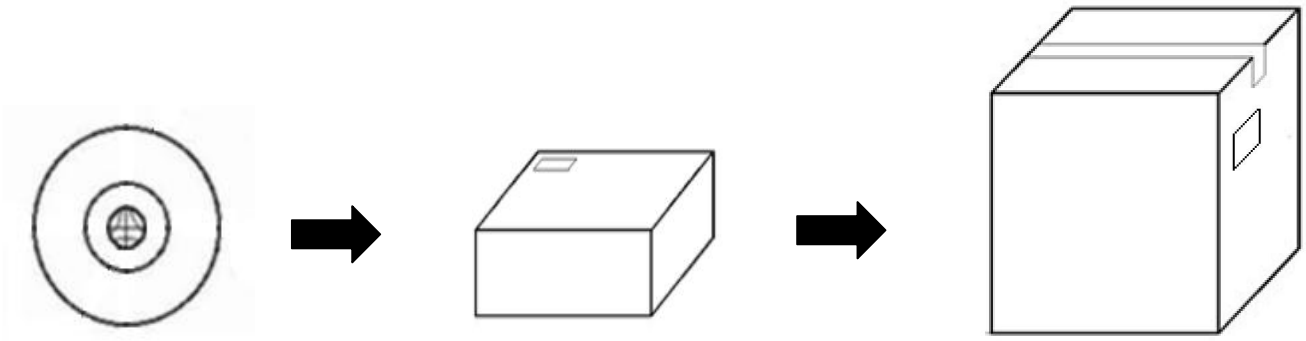
包装数量(PACKAGING QUANTITY)：2000Pcs/盘

APPROVED	CHECKED	PREPARED
Zeng	Lu	Yu

CUSTOMER:		REV NO:	A0
PART NO:	MWI1008UC系列	PAGE NO:	7/7
CUST. PART NO:		DATE:	2023/10/10

8. Package Specifications

■Inside Box And Outside Carton



卷轴数量	→	内盒包装数量	→	外箱包装数量
每卷:2000PCS		**每盒四盘，共8000 PCS**		**小箱6盒，共48000 PCS**
				中箱8盒，共64000 PCS
				大箱10盒，共80000 PCS

内盒包装尺寸	→	外箱包装尺寸
20.3*19.3*5.5cm		**小箱，40.6*23*19.7cm**
		中箱，41*22*26cm
		大箱，41*22*33cm

APPROVED	CHECKED	PREPARED
Zeng	Lu	Yu