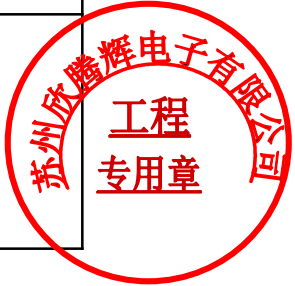


产品承认书
SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER NAME.	-----
产品类型 PRODUCT TYPE	Molding Power Inductors
客户料号 CUSTOMER P/N	-----
新川料号 OURS P/N	MCH1054SV220M
文件编号 FILE NO.	

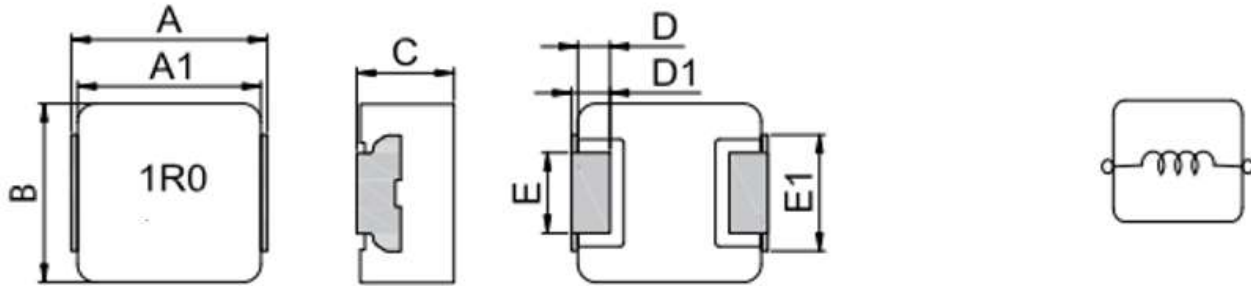
客户承认/CUSTOMER ACCEPTED		
承认 APPROVED	确认 CHECKED	承办 DESIGN
批注/REMARK		

批准 APPROVED	确认 CHECKED	作成 DESIGN
Ruby	Ruby	John



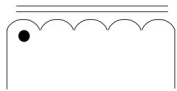
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
产品类型 PRODUCT TYPE	Molding Power Inductors	品名 OURS P/N	MCH1054SV220M	文件编号 FILE NO.	

一.外观图/DIMENSION (单位/UNIT : mm)

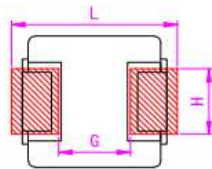


ITEM	A	A1	B	C	D	D1	E	E1		
DIM	11.0	10.1	10.0	5.1	2.0	2.3	4.5	6.6		
TOLE	±0.3	±0.3	±0.3	±0.3	±0.3	±0.3	±0.3	±0.3		

二.电路图/CIRCUIT DIAGRAM



三.Recommend PC Board Pattern (推荐焊盘) :



L(mm)	G(mm)	H(mm)
12.3	5.5	5.0

四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance L0 A(uH) ±20%	Heat Rating Current DC * Irms(A)		Saturation Current DC I sat (A)		DCR (mΩ) Typ	DCR (mΩ) Max
		Typ	Max	Typ	Max		
MCH1054SV220M	22.0	6.0	5.4	8.8	7.5	43.5	50.0

1. Test frequency : Ls : 100KHz /1.0V.
2. All test data referenced to 25°C ambient
3. Testing Instrument(or equ) : Agilent 4284A,E4991A,4339B,KEYSIGHT E4980A/AL,chroma3302,3250,16502.
4. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
5. Saturation Current (Isat) will cause L0 to drop approximately 30%.
- * 6. The part temperature (ambient + temp rise) should not exceed 165°C under worst case operating conditions.Circuit design,component, PCB trace size and hickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
7. Irms Testing : Temperature rise is highly dependent on many factors including pcb land pattern, trace size, and proximity to other components.

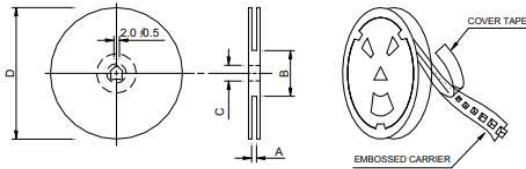
客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
产品类型 PRODUCT TYPE	Molding Power Inductors	品名 OURS P/N	MCH1054SV220M	文件编号 FILE NO.	0

五.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	Alloy Powder
2	WIRE	P180 Grd1
3	CLIP	100% Pb free solder(Ni+Sn---Plating)
4	INK	Halogen-free ketone

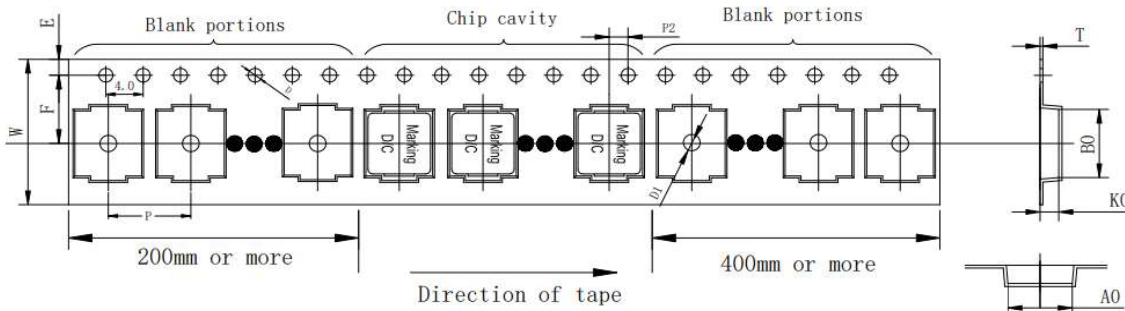
六.Packaging Information

(1) Reel Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)
13"x24mm	24.4+2/-0	100±2	13+0.5/-0.2	330

(2) Tape Dimension



Series	Bo(mm)	Ao(mm)	Ko(mm)	P(mm)	P2(mm)	W(mm)	E(mm)	F(mm)	T(mm)	D(mm)	D1(mm)
MCH1054	12.3±0.1	10.6±0.1	5.7±0.1	16.0±0.1	2.0±0.1	24.0±0.3	1.75±0.1	11.5±0.1	0.40±0.05	1.5+0.1/-0.0	1.5+0.1/-0.0

(3) Packaging Quantity

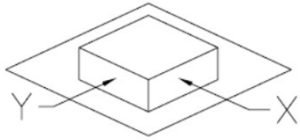
Series	Reel	Inner Box	Carton
MCH1054	500	1000	4000

承认书/SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER	-----	客户品名 CUSTOMER P/N	-----	版别 REV.	1.0
产品类型 PRODUCT TYPE	Molding Power Inductors	品名 OURS P/N	MCH1054SV220M	文件编号 FILE NO.	0

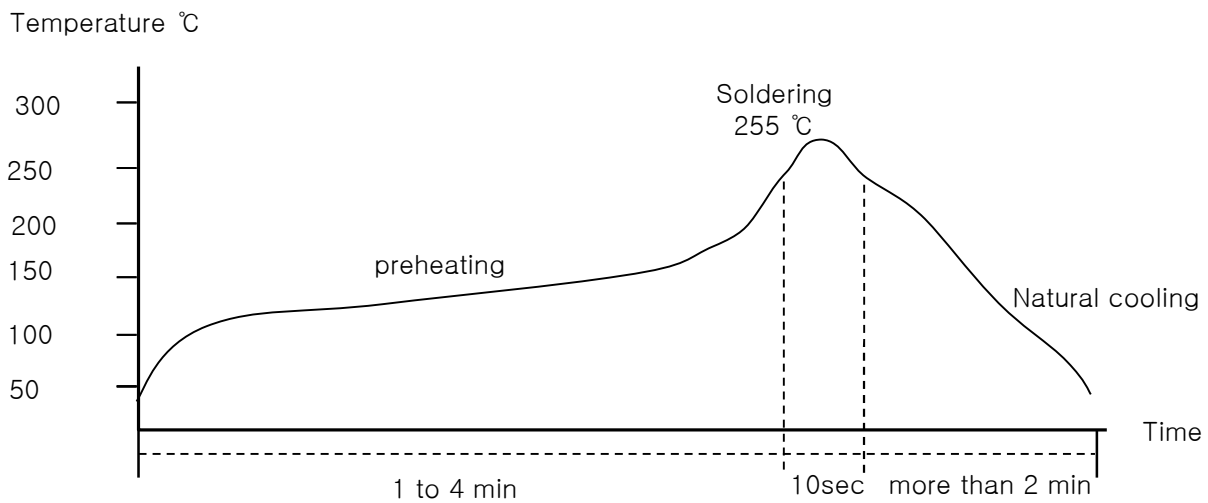
七.可靠性测试/RELIABILITY TESTING

Operating Temperature	- 40 to +125 °C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (- 20~ + 80 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition



A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

IR Reflow profile



Temperature and humidity . After that , no mechanical and electrical defect should be found .