

PRELIMINARY

# SPECIFICATIONS

<b>Customer</b>	
<b>Product Name</b>	<b>Ferrite Sheet</b>
<b>Sunlord Part Number</b>	<b>MQF2005T35P100A35BF</b>
<b>Customer Part Number</b>	

New Released,  Revised

**SPEC No.:** MQF2005-

Rev.	Effective Date	Changed Contents	Change Reasons	Approved By
01	Jun.20.2018	New release	/	Hai Guo
02	Jun.28.2018	Change the tolerance of thickness	For customer's requirements	Hai Guo
03	Nov.5.2018	Change the dimension	For customer's requirements	Hai Guo
04	Dec.12.2018	Change the dimension	For customer's requirements	Hai Guo

**【 This SPEC is total 3 pages including specifications 】**

**【 ROHS Compliant Parts 】**

Approved By	Checked By	Issued By

## Shenzhen Sunlord Electronics Co., Ltd.

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**【For Customer approval Only】** Date: \_\_\_\_\_

Qualification Status:     Full     Restricted     Rejected

Approved By	Verified By	Re-checked By	Checked By

1. Scope

This specification applies to MQF2005T35P100A35BF of ferrite sheet.

2. Product Identification (Part Number)

Product Identification (Part Number)

**MQF**

①

**2005**

②

**T35**

③

**P100**

④

**A35**

⑤

**B**

⑥

**F**

⑦

①

Type	
MQF	Ferrite sheet

②

External Dimensions (L×W) (mm)	
2005	20.00 ±0.15 ×5.00±0.15

③

Thickness	
Example	Nominal Value (mm)
T35	0.35±0.06

④

Relative Real Permeability	
P100	100±15%

⑤

Feature Code	
A01, B01, etc..	

⑥

Packing	
B	Box
R	Roll

⑦

Hazardous Substance Free Products	
F	

3. Electrical Characteristics

Part Number	MQF2005T35P100A35BF
Test Frequency( $f_0$ )	13.56MHz
Relative Real Permeability $\mu'$	100±15%
Relative Imaginary Permeability $\mu''$	10 max.
$B_m(T, 25^\circ C)$	0.40 min.

Test equipment: Agilent E4991A+16454.

4. Shape and Dimensions

1) Ferrite sheet structure: See Fig. 4-1 and Fig. 4-2

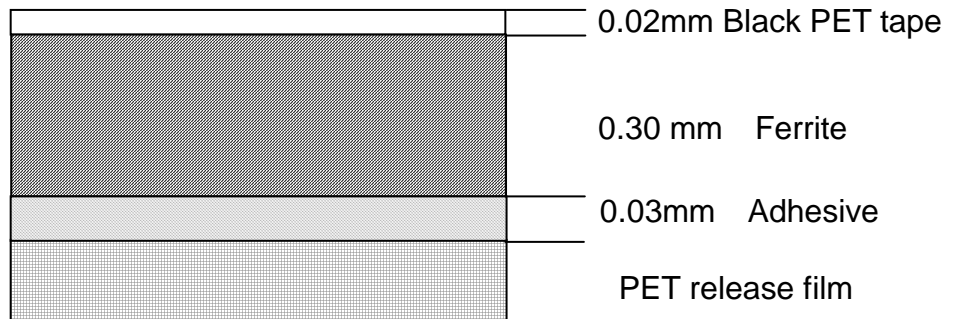


Fig.4-1

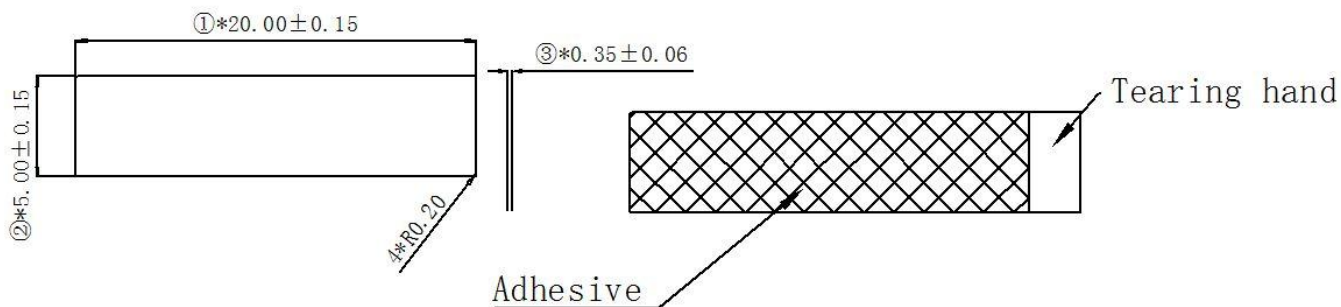


Fig.4-2

- 2) Nano Crystalline gravity: >5.1(g/cm<sup>3</sup>)
- 3) The product was compliance with ROHS directive of EU.

5. Reliability Tests

No.	Items	Condition	Number (PCS)	Result (Fail)
1	Neutral Salt Spray test (NSS)	35±2℃,5±0.1% ,48hours	5	1. The permeability change ± within 15%. 2.No visual damage.
2	Resistance to Low Temperature	Reflow 2 times,-40±2℃, 168hours	15	
3	Resistance to High Temperature	85±2℃, 168hours	15	
4	Damp Heat	60±2℃,90%-95%RH,168hours	15	
5	Thermal Shock	-40℃/(60±3min), +85℃/(60±3min), transforming interval:20s,30cycles	15	
6	Moisture Sensitivity Classification Test	80±2℃,80%RH,120hours	5	

6. Packaging

6.1 Packing Documents

Packing documents include the following:

- a) Packaging list
- b) Certificate of compliance (COC)

6.2. Marking on outer Case (see Fig.6.1 ~3):

- a). Manufacturer: Sunlord ID:  
"Shenzhen Sunlord Electronics Co., Ltd."
- b). Packing label include the following:
  - i) Customer
  - ii) Manufacturer
  - iii) Date code
  - iv) C/No.

Example; "1/10" means that this case is the 1st one  
Of total 10 cases

- v) P/O No.
- vi) Customer Part No.
- vii) Sunlord Part No.
- viii) Quantity.
- ix) Inspection Stamp.
- x) MFG address as 'Made In China'.

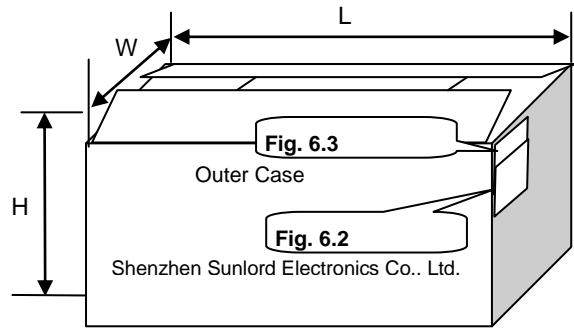


Fig. 6.1

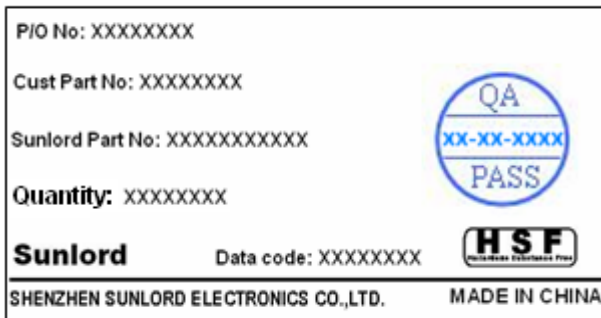


Fig.6.2

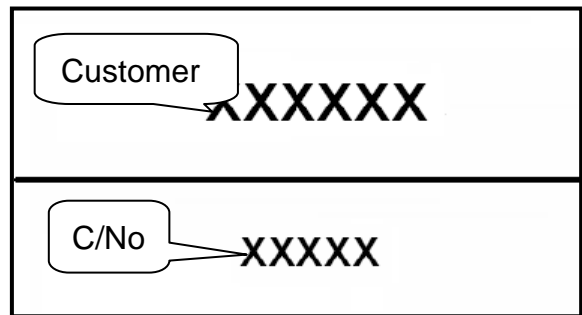


Fig.6.3

7. Supplier Information

- a) Supplier:  
**Shenzhen Sunlord Electronics Co., Ltd.**
- b) Manufacturer:  
**Shenzhen Sunlord Electronics Co., Ltd.**
- c) Manufacturing Address:  
**Sunlord Industrial Park, Dafuyuan Industrial Zone, Guanlan, Shenzhen, China**  
**Zip: 518110**