

SPECIFICATION

Spec. No: EYA-2992-B 1/3

Date : 22 January, 1999

1. "SOSHIN" Low Pass FILTER "CLP13MHz-2992"

2. Electrical Performance

- | | | | |
|-----|-------------------------------|---|------------------------------|
| 2.1 | Zin & Zout | : | 50 Ω (unbalanced) |
| 2.2 | Insertion Loss | : | 3.0 $\pm$ 0.3dB (at 100kHz) |
| 2.3 | Nominal Cut-off Frequency(fc) | : | 13MHz |
| 2.4 | Pass Band Ripple | : | 0.2dBp-p (0~10MHz) |
| 2.5 | Attenuation | : | 40dB MIN (20~150MHz) |
| | (refer to 100kHz) | : | 35dB MIN (150~200MHz) |
| 2.6 | Harmonic Distortion | : | -80dBc MAX (at 10MHz) |
| | (for reference purposes) | : | (Second-order , Third-order) |
| 2.7 | Level | : | 2Vp-p MAX |

3. Environmental Conditions

- | | | | |
|-----|-----------------------------|---|-------------------------------------|
| 3.1 | Operating Temperature Range | : | 0 ~ 55°C |
| 3.2 | Operating Humidity Range | : | 0 ~ 95% RH 40°C 24H(non-condensing) |
| 3.3 | Storage Temperature Range | : | -40 ~ 70°C |

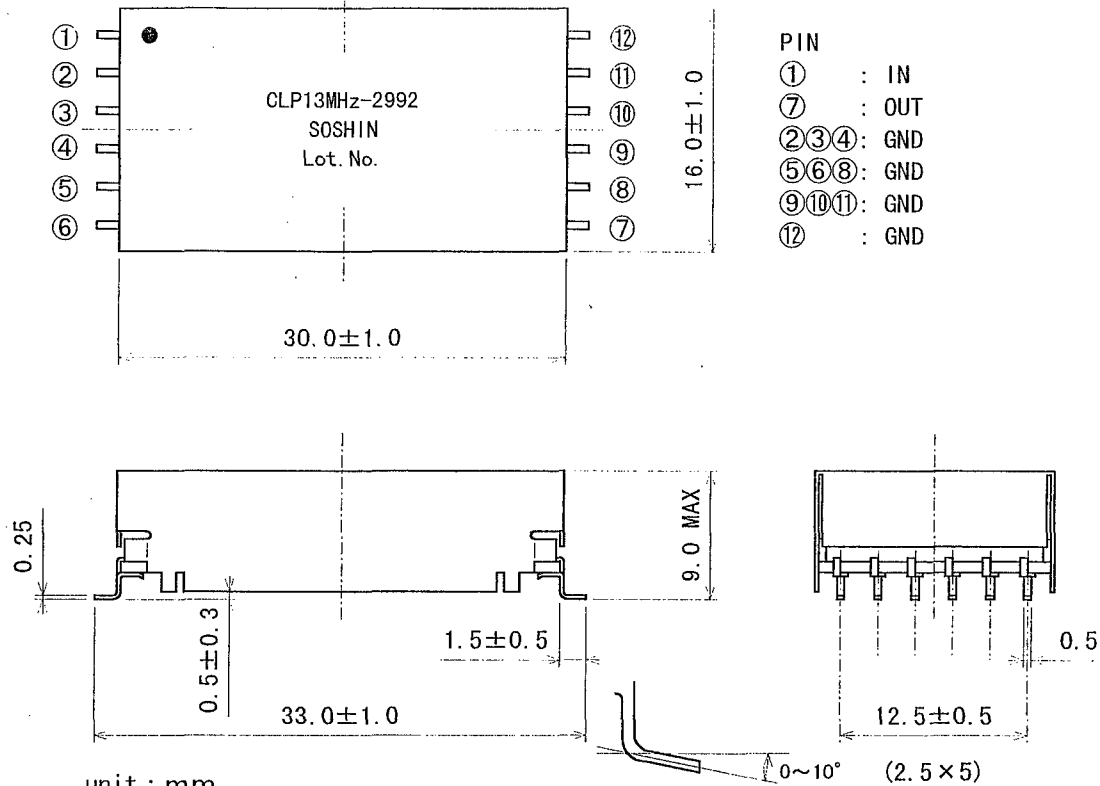
4. Appearance

- | | | | |
|-----|------------|---|--------------------------|
| 4.1 | Dimensions | : | See fig.1 |
| 4.2 | Case | : | SPTE t=0.2 |
| 4.3 | Terminal | : | PBR t=0.25 solder plated |
| 4.4 | Marking | : | See fig.1 |

Any alteration of production lines, design and material shall need customer's approval.

	Unit	mm	Approved	Manager	Checked	Designed
	Scale	/	M. Sakamoto	T. Tsuchiya	Myonagawa	K. Shinohara
	Tolerance					

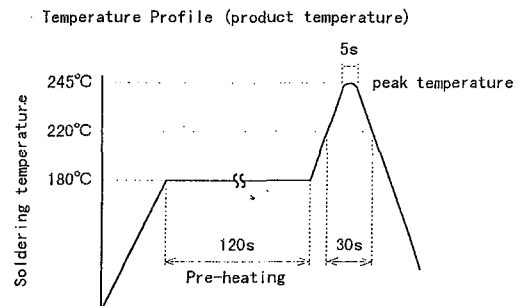
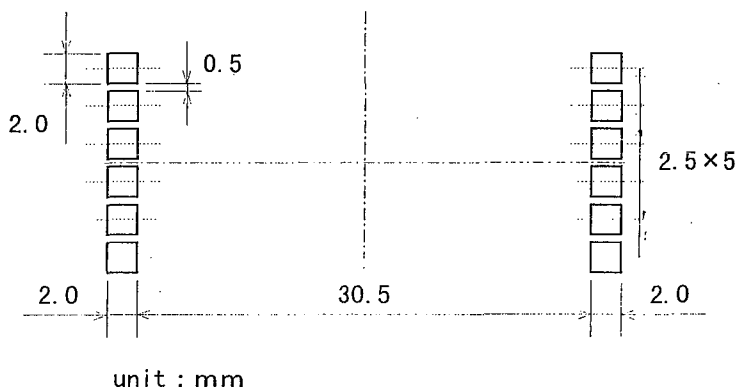
5. Dimensions (unit:mm)···fig.1



Solder for filter inside

- a) coil part : Eutectic solder (melting point : 183deg.C)
- b) Chip devices part : High temperature solder (221deg.C)
- c) Lead frame part : High temperature solder (221deg.C)

6. Land dimensions(Reference only) and Reflow soldering conditions



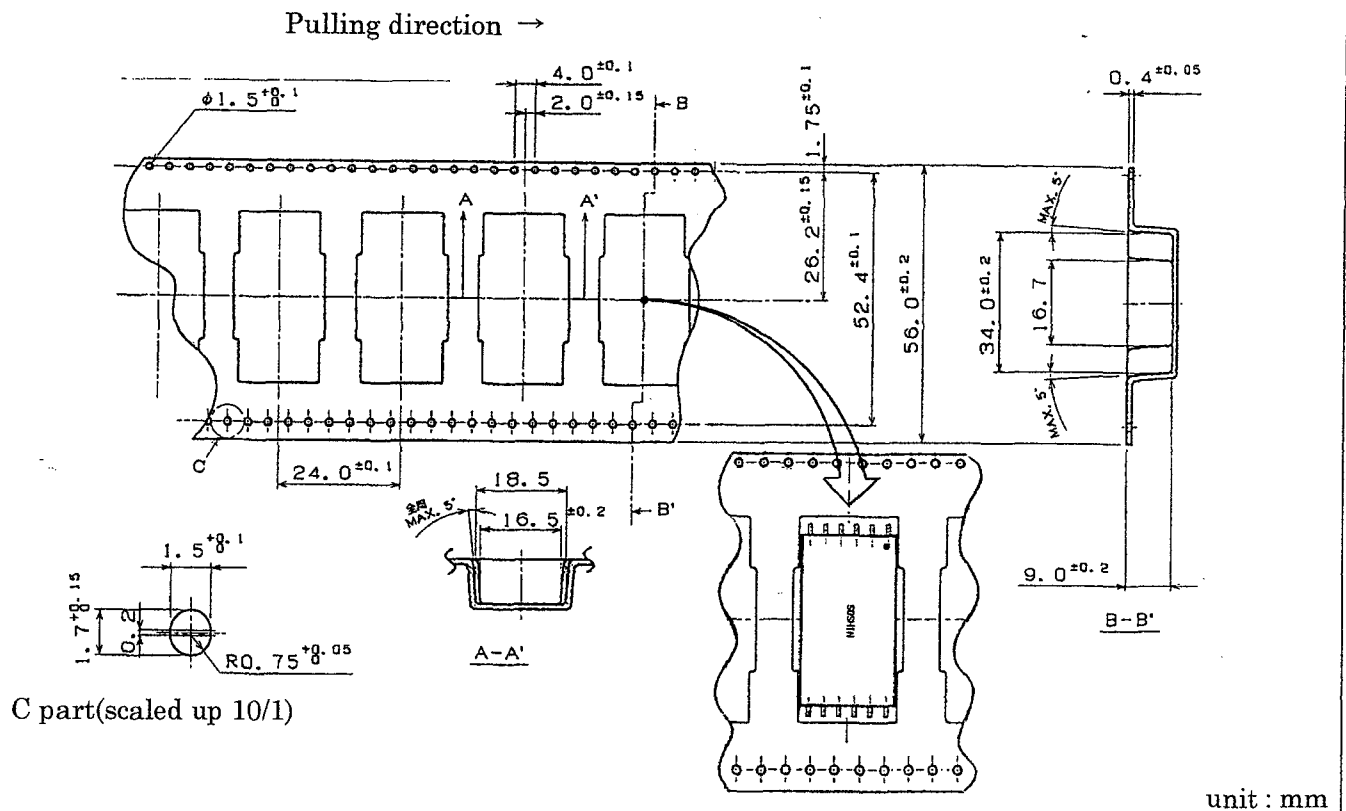
7. Washing

Basically washing shall be avoided. In case of washing, the filter shall be washed below conditions; in Isopropyl Alcohol and 90seconds max. in room temperature.

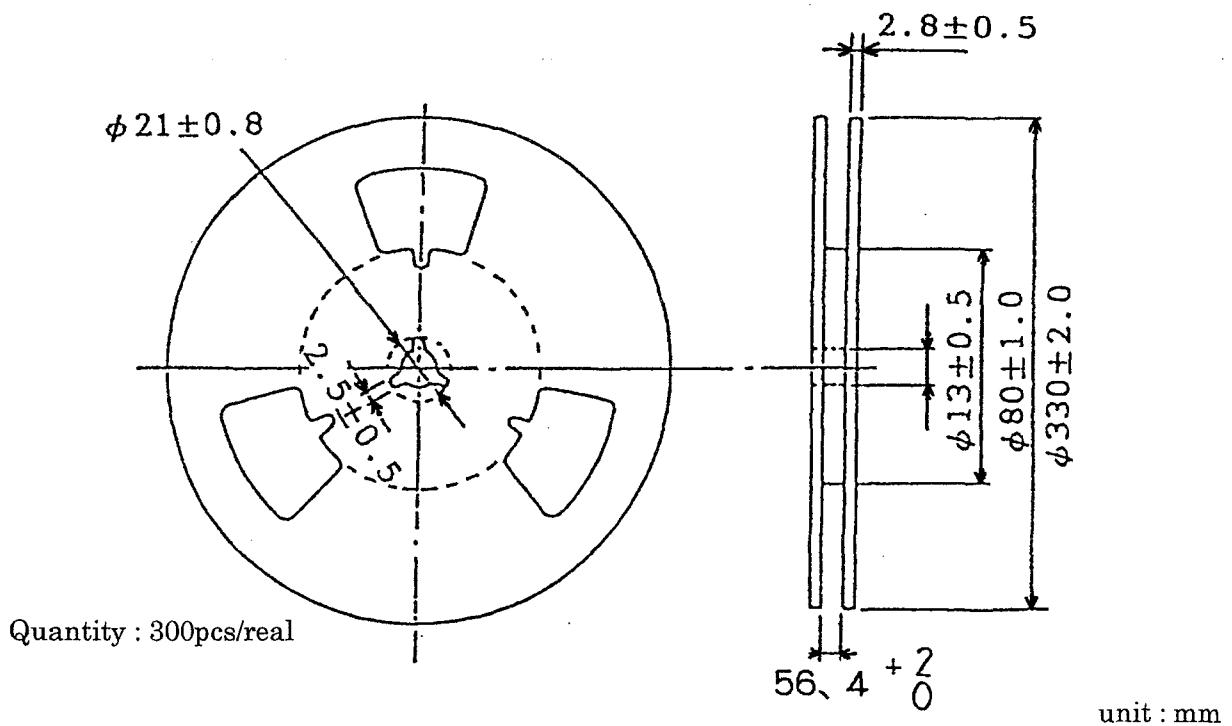
(Because of non-shielded construction, ultrasonic washing and washing in hydro-pressure cause disconnection and drift of electrical values.)

7. Specification of tape and reel

7.1 Taping



7.2 Reel



8.3 Notes

- (1) 10 empty cavities are in each top-end and bottom-end.
- (2) Cover-tape should be more than 1.5 rounds from top-end.