

SPECIFICATION

Spec. No: EYA-2993-B 1/3

Date : 22 January, 1999

1. "SOSHIN" Low Pass FILTER "CLP42MHz-2993"

2. Electrical Performance

- 2.1 Zin & Zout : 50 Ω (unbalanced)
- 2.2 Insertion Loss : 3.0 ± 0.3 dB (at 100kHz)
- 2.3 Nominal Cut-off Frequency(fc) : 42MHz
- 2.4 Pass Band Ripple : 0.2dBp-p (0~32MHz)
- 2.5 Attenuation : 40dB MIN (64~150MHz)
(refer to 100kHz) : 35dB MIN (150~200MHz)
- 2.6 Harmonic Distortion : -75dBc MAX (at 32MHz)
(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

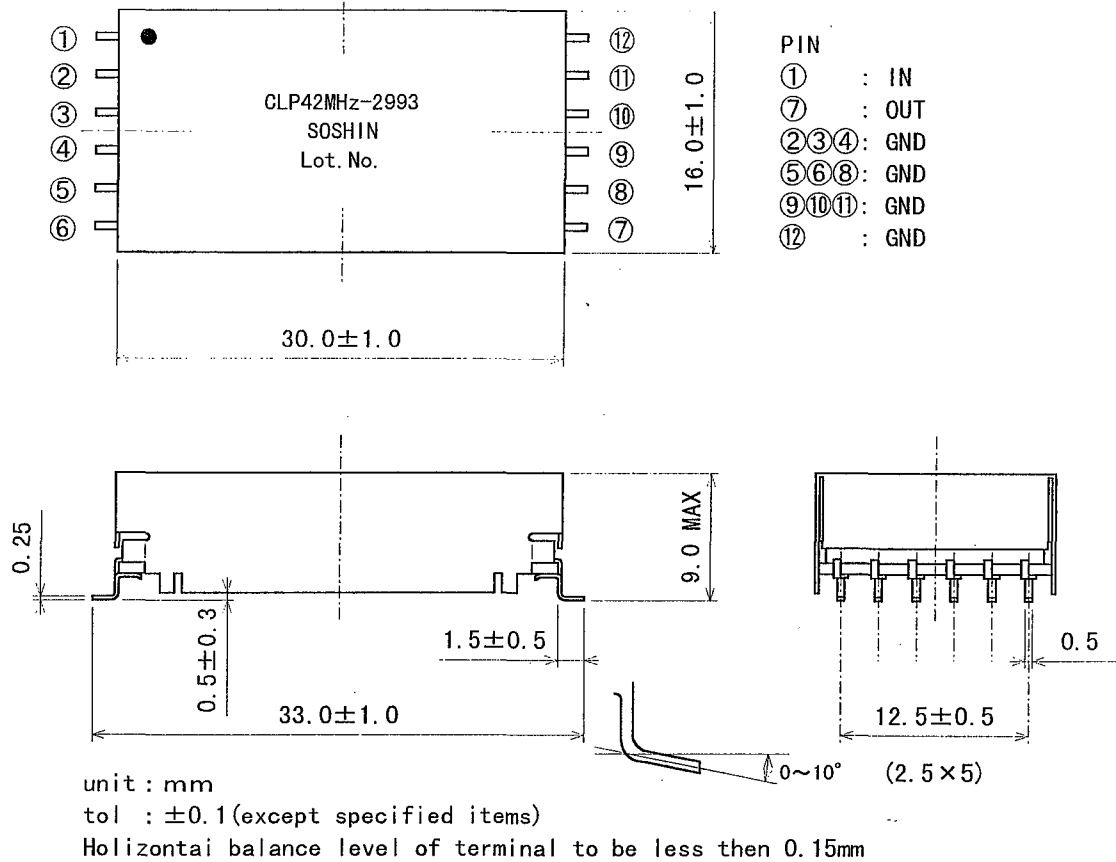
4. Appearance

- 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	Myanagawa	K. Sano
	Tolerance					

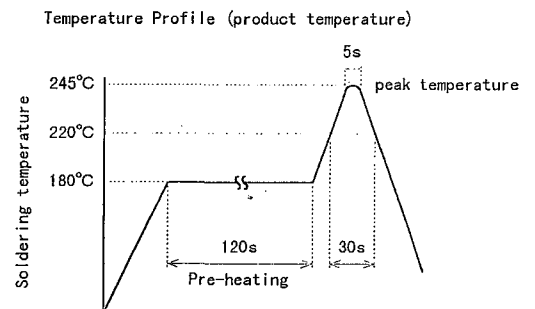
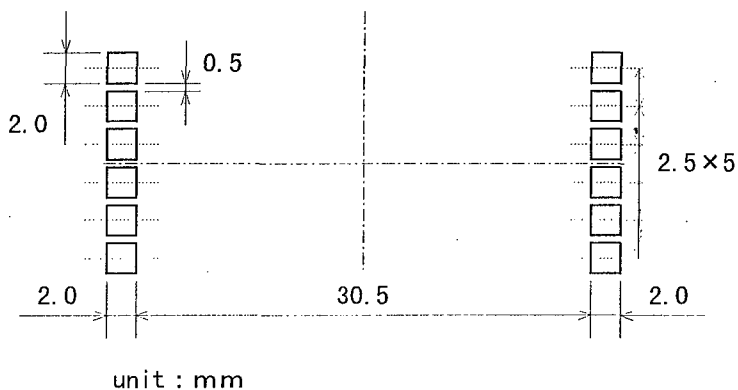
5. Dimensions (unit:mm)···fig.1



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.)

