

# SH-LP-5002 SERIES SURFACE MOUNT LINE MATCHING AUDIO TRANSFORMERS



#### Additional information:

We reserve the right to make technical changes or modify the contents of this document without prior notice.

SHARE Ltd. Does not accept any responsibility what so ever for potential errors or possible lack of information in this document.

We can offer that even custom-made transformers will be covered by approvals from UL, CSA, KEMA, etc., but we will be happy to assist you in implementing them.

New approvals may be required.

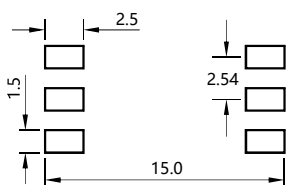
#### FEATURES:

- Subminiature in FAT
- 7.36mm seated height
- Tested at 4600 Vrms, 1minute
- Distortion of only 0.015%
- Vacuum encapsulated
- RoHS compliant

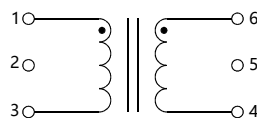
- Tape and reel is standard
- Bulk packaging available for
- faller quantities
- Custom design available
- Tolerance: 5% is standard,
- Tighter tolerance available

- Modems(V32)
- Laptop Computer
- Telecommunications
- Instrumentation
- PCMCIA

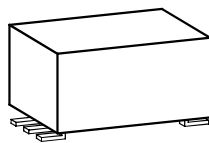
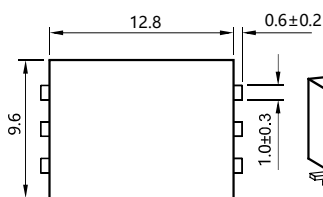
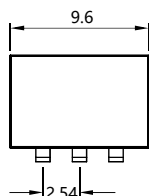
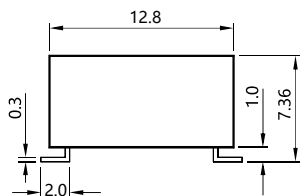
#### STANDARD SPECIFICATIONS:



Suggested PCB Layout



Schematic



ALL DIMENSIONS IN MM

Nominal Impedance:	600°C
Turns Ratio:	1:1
Insertion Loss:	2.0dB max. at 2kHz
Frequency Response:	±0.25dB max. 200-4kHz
Return Loss:	24dB min. 200-4kHz *
Balance:	80dB min.
Distortion:	-85dB max. @600Hz, -10dBm
Dielectric Strength:	4600 Vrms for 1 min.
Insulation Resistance:	100MΩ@500V
DC Resistance * *	
Primary:	136 Ω±12%
Secondary:	136 Ω±12%
Shunt Inductance:	3.8H min.
Shunt:	7500 Ω min.
Leakage Inductance:	6-7mH typ. @1kHz
Power Level:	10dBm
Operating Temperature:	-20°C-+85°C
Storage Temperature:	-40°C-+85°C
Terminal Plating Material	AgSn

\* For use with recommended circuit (BS6305 impedance Class A non-speech or Class B speech)  
 \* \* SH-LP-5002 is symetrical, meaning there is no real primary nor secondary winding.