



# ADSL LINE TRANSFORMER SURFACE MOUNT MAGNETICS

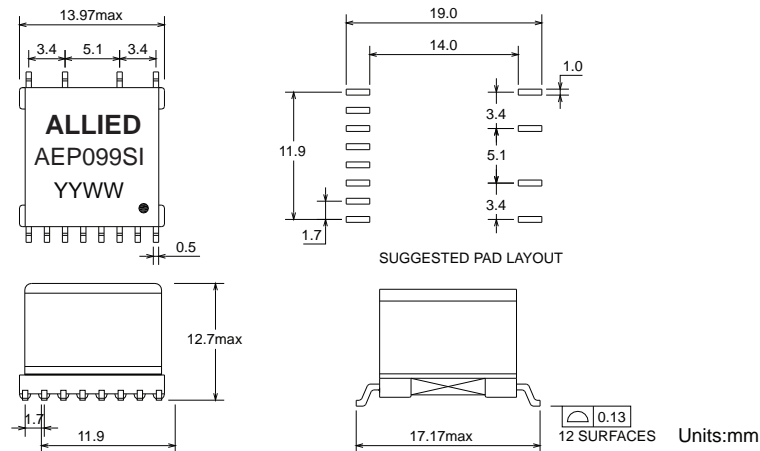
- EN60950 Basic Insulation compliant 250Vrms
- SMD compact foot print design
- Industrial operating temp: -40°C to +85°C

## Electrical Specifications @25°C

| Part Number | Turns Ratio<br>(10KHz,0.1V) |                               | OCL<br>(10KHz,0.1V)           | LL<br>(100KHz,0.1V)   |                              | Cww<br>(100KHz,0.1V)         |                           |                           |      |
|-------------|-----------------------------|-------------------------------|-------------------------------|-----------------------|------------------------------|------------------------------|---------------------------|---------------------------|------|
|             | AEP099SI                    | 16-9:1-4<br>(short 11-14,2-3) | 16-9:5-8<br>(short 11-14,6-7) | 16-9<br>(short 11-14) | 16-9<br>(short11-14,1-2-3-4) | 16-9<br>(short11-14,5-6-7-8) | 16-1<br>(short 11-14,2-3) | 16-5<br>(short 11-14,6-7) |      |
| 1:1 ±2%     |                             | 3.8:1 ±2%                     | 200uH ±10%                    | 28uH                  | 20uH max                     | 50pF max                     | 80pF max                  |                           |      |
| Continue    |                             |                               |                               |                       |                              |                              |                           |                           |      |
| DCR         |                             |                               |                               | THD<br>(30KHz,2Vrms)  | LB<br>(20KHz~1.1MHz)         | IL<br>(30KHz,6.9Ω)           | Hi-Pot<br>VAC<br>(1mA/1s) |                           |      |
| 16-11       |                             | 14-9                          | 1-3                           | 2-4                   | 5-8                          | 5-8                          |                           |                           |      |
| 2.0Ω ±10%   | 2.0Ω ±10%                   | 3.9Ω ±10%                     | 3.9Ω ±10%                     | 0.19Ω ±10%            | 0.19Ω ±10%                   | -90dB max                    | 40dB min                  | 1.2dB max                 | 1875 |

All specifications subject to change without notice.

## MECHANICAL



Unless otherwise specified all tolerances are: ±0.25 in mm

## SCHEMATICS

