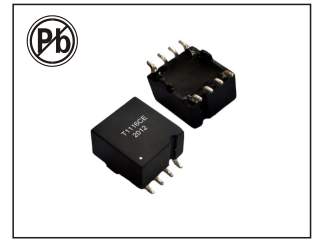


# BROADBAND PLC TRANSFORMER

## T1116CE

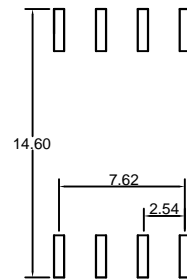
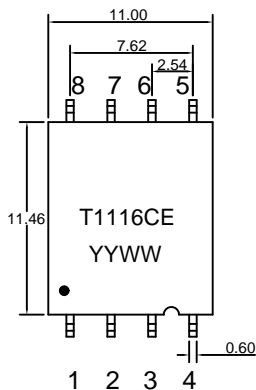
### FEATURES:

- DESIGN FOR PLC(POWER LINE COMMUNICATION) APPLICATION.
- ROHS COMPLIANT.
- REINFORCED INSULATION
- OPERATING TEMPERATURE RANGE: -40°C TO 85°C.

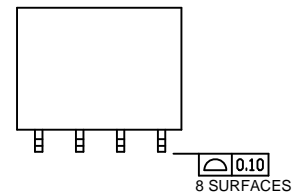
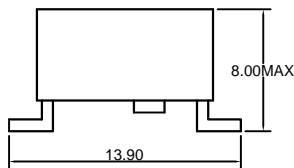


| Electrical Specifications @25°C |                          |                  |                            |                |                     |                        |
|---------------------------------|--------------------------|------------------|----------------------------|----------------|---------------------|------------------------|
| Part Number                     | Turns Ratio @100KHz,0.1V | OCL @100KHz 0.1V | L.L @100KHz 0.1V           | Insertion loss | IR (Pri TO Sec)     |                        |
| T1116CE                         | 1-2:3-4:5-8              | 1-2,3-4,5-8      | 5-8(short1+2+3+4)          | 0.5-20MHz      | 500VDC<br>100MΩ Min |                        |
|                                 | 1:1:1±2%                 | 250uH Min        | 1.0uH Max                  | 1.0dB MAX      |                     |                        |
|                                 | Continue                 |                  |                            |                |                     |                        |
|                                 | DCR @25°C                |                  | C <sub>ww</sub> @100KHz 1V | Return loss    | HI-POT (Pri TO Sec) | 3000Vrms,<br>0.5mA,60S |
|                                 | 1-2,3-4                  | 5-8              | 1-8                        | 0.5-20MHz      |                     |                        |
|                                 | 0.4Ω Max                 | 0.5Ω Max         | 15pF Max                   | 14dB Min       |                     |                        |

## MECHANICAL



SUGGESTED PAD LAYOUT



Unless otherwise specified all tolerances are:±0.25 in mm

## SCHEMATICS

