

- 1 ) Designed to meet IEC950 requirements for 250VAC working voltage .
- 2 ) Compatible with Globespan chip sets .
- 3 ) Good total harmonic distortion characteristics .
- 4 ) Optimized design for size and performance .
- 5 ) 100 ohm line impedance .



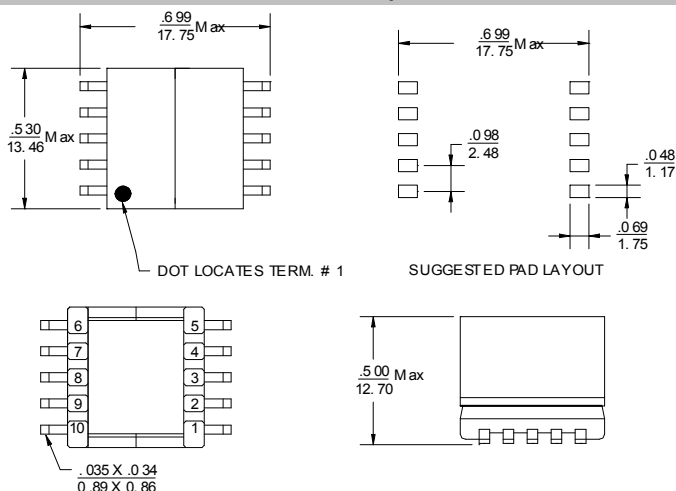
**Electrical Specifications @ 25°C --- Operating temperature -20°C To 75°C .**

## Part Number: EP13S-8515

### Electrical Specifications :

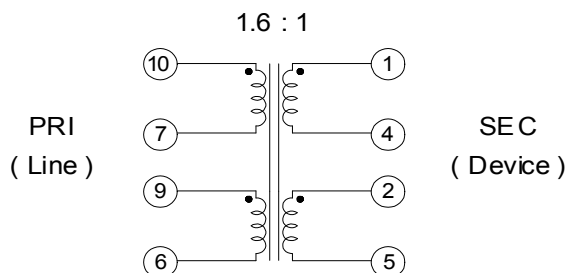
|                                                                                                    |                                                                                                           |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 1) Turn Ratio : ( Short 9-7,2-4 )<br>Line : Device = (10-6):(1-5)= 1.6 : 1 +/-2%                   | 5 ) Cww ( 1-10 ) : 80.0 pF Max. @ 10KHz, 1.0Vrms                                                          |
| 2 ) Inductance ( 1-5 ):<br>440uH +/-5% @10KHz 0.1Vrms (short 2-4 )                                 | 6) Total Harmonic Distortion (10-6) : (Short 2-4 ,7-9)<br>-88.0 dB Max.@ 30KHz~100KHz,4.24Vrms,39ohm load |
| 3) Leakage Inductance (10-6):<br>10uH Max.@100KHz 0.1Vrms (short 9-7,1-5,2-4 )                     | 7 ) Insertion Loss : 0.5 dB Max. @ 772 KHz                                                                |
| 4) D.C.Resistance :<br>(1-4) & (2-5) : 0.36 ohm ~ 0.44 ohm<br>(10-7) & (9-6) : 0.55 ohm ~ 0.67 ohm | 8 ) Longitudinal Balance : 45 dB Min.@ 20KHz~1.0 MHz                                                      |
|                                                                                                    | 9 ) Frequency Response : ( ref. for 772 KHz )<br>-0.5dB~-0.5dB @ 100KHz~1.1MHz                            |
|                                                                                                    | 10 ) Hi-Pot : 1875Vrms ,1 second ,0.5mA.( Line -- Device)                                                 |

### Mechanical Dimensions ( Unit: inches / mm )



**Unless otherwise specified, all tolerances are ±.010 / 0.25**

### Schematics



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**DSL Transformer015**