



A.C.E. 泰華達股份有限公司
ArchiCore Electronics CO., LTD



Product Specification

Product name	GL488001
Product Type	Dual Ports SMD transformer module
System Application	100/1000BASE-T
Author	Sundi Lin
Approved By	Alvin Liou

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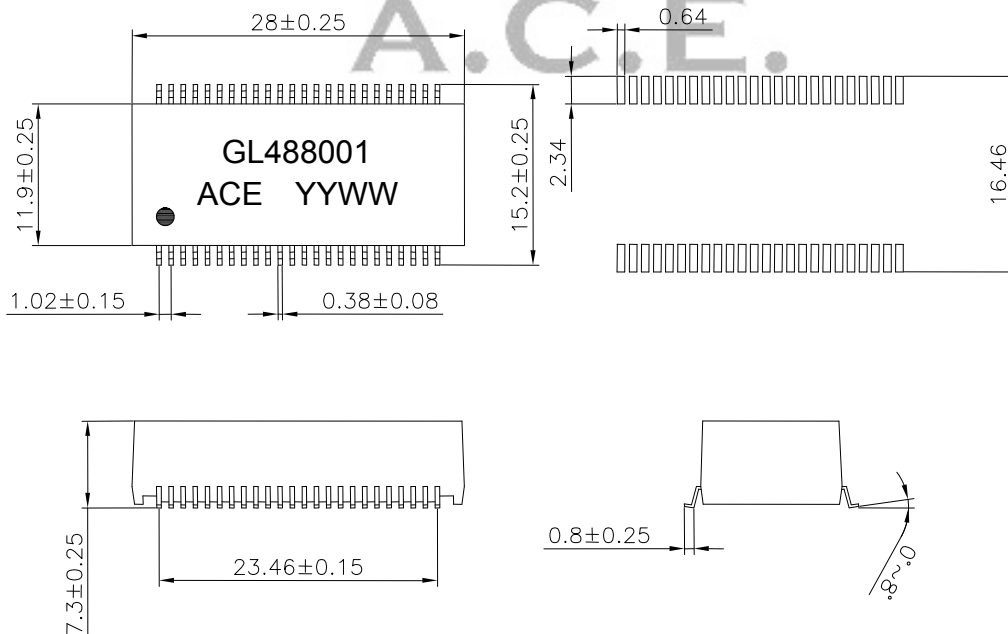
Specifications :@ 25⁰C, operating temperature 0⁰C -70⁰C

- | | | |
|-----------------------|---------------|---------------|
| 1. Inductance(note1) | 350uH Min. | @100KHz,100mV |
| 2. Turn Ratio | 1CT :1CT ± 5% | |
| 3. Insertion Loss | -1.0 dB Max. | @1-100MHz |
| 4. Return loss | -16 dB Min. | @1-30MHz |
| | -14.4 dB Min. | @40MHz |
| | -13.1 dB Min. | @50MHz |
| | -12.0 dB Min. | @60-80MHz |
| 5. Cross talk | -43.5 dB Min. | @30MHz |
| | -37.5 dB Min. | @60MHz |
| | -33 dB Min. | @100MHz |
| 6. CMRR | -40 dB Min. | @30MHz |
| | -35 dB Min. | @60MHz |
| | -30 dB Min. | @100MHz |
| 7. Voltage isolation | 1500 vrms | |

Note 1 : measured at 8mA_{dc} over operating temperature 0⁰C -70⁰C

Note 2: Above specification only for one port.

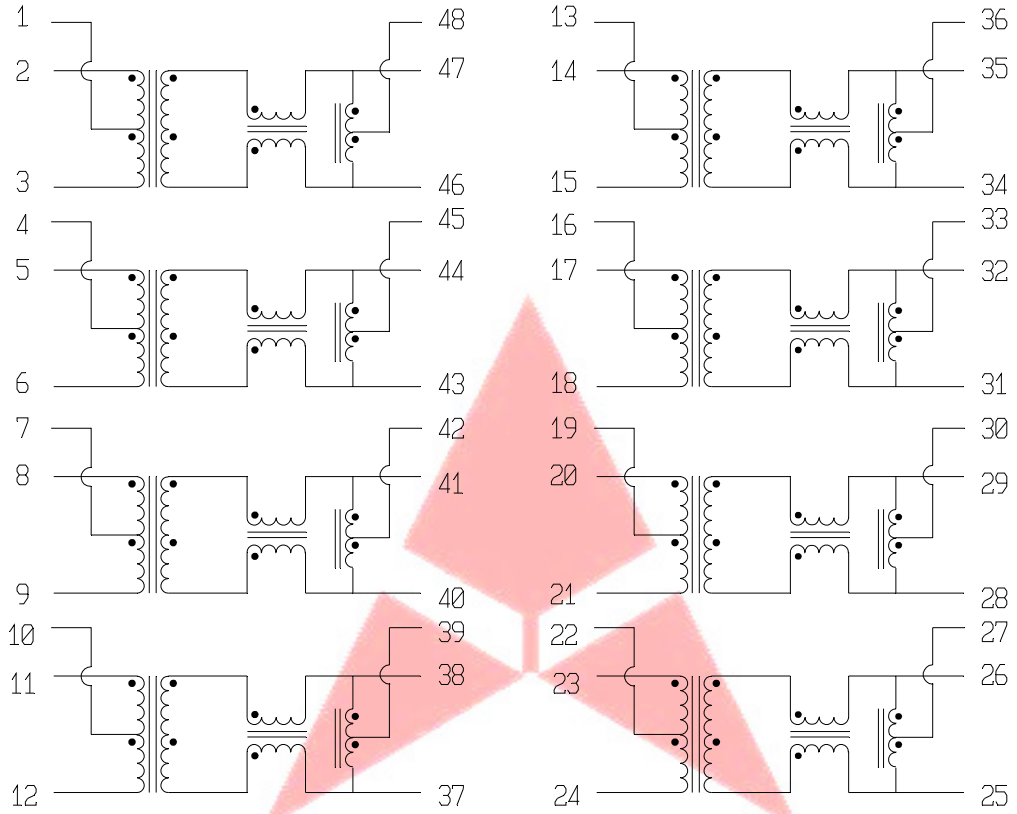
Mechanical: ± 0.25mm





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Schematic:



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Revision History:

Rev.	Author	Approved by	Description of change	Issued date
0	Sundi	Feilong	New release	2008/12/24
1	cathy	Sundi	Changed Format	2009/12/21
2	Sundi	Alvin	Modified Dimension	2011/4/29
3	Sundi	Alvin	Modified Dimension	2011/5/12

