



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



Product Specification

Product name	GL2P2006
Product Type	Dual Ports SMD transformer module
System Application	100/1000BASE-T
Author	Sundi Lin
Approved By	Alvin Liou

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Archicore Electronics CO., LTD

地址：高雄市前鎮區新衙路 288-6 號 7F-1(運通大樓 C 棟)

**Address: 7F-1, No. 288-6, Xinya 1 Rd., Chianjen District,
Kaohsiung City, 806, Taiwan**

Tel: +886-7-970-3268 FAX: +886-7-841-1851



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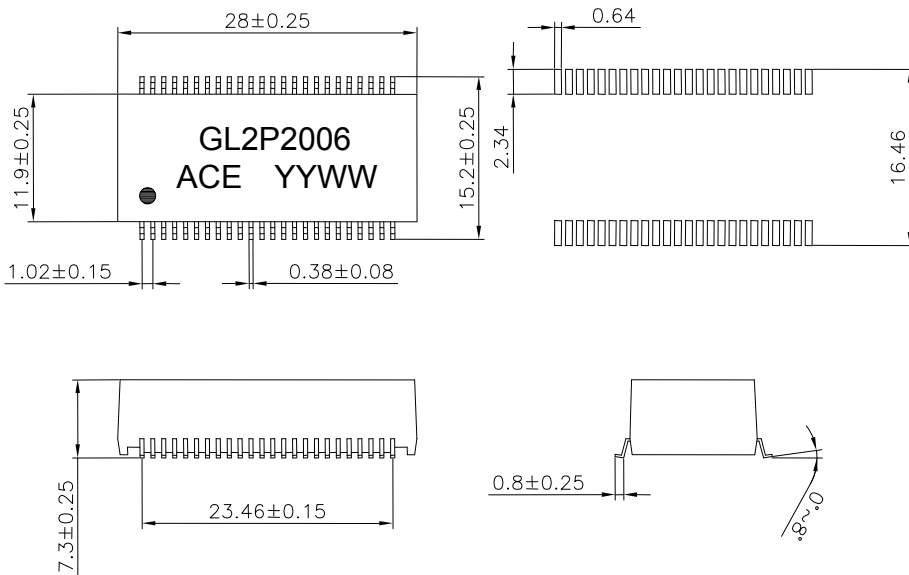
Specifications :@ 25⁰C, operating temperature 0⁰C -70⁰C

- | | | |
|-----------------------|---------------|---------------|
| 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 |
| | -10.0 dB Min. | @100MHz |
| 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 | |
| 8. DCR | 1.2Ω max | |
| 9. Leakage Inductance | 0.8uH max. | |
| 10. Interwinding Cap | 25pF max. | |

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

Note 2: Above specification only for one port.

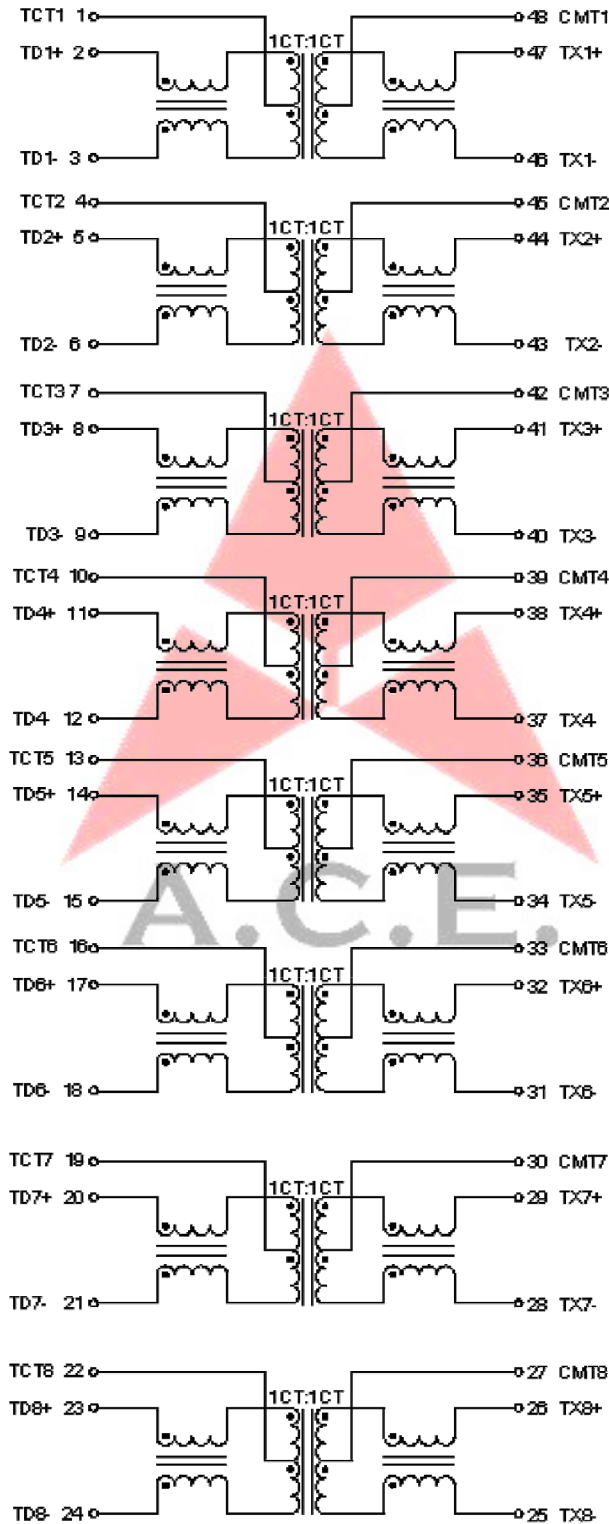
Mechanical: ± 0.25mm





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Schematic:





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Revision History:

Rev.	Author	Approved by	Description of change	Issued date
0	Sundi	Alvin	New release	2011/07/13
1	Sundi	Alvin	Add Specifications 8,9,10	2011/08/01

