



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



Product Specification

Product name	GL488002
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

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Feature :

1.High performance for EMI suppression

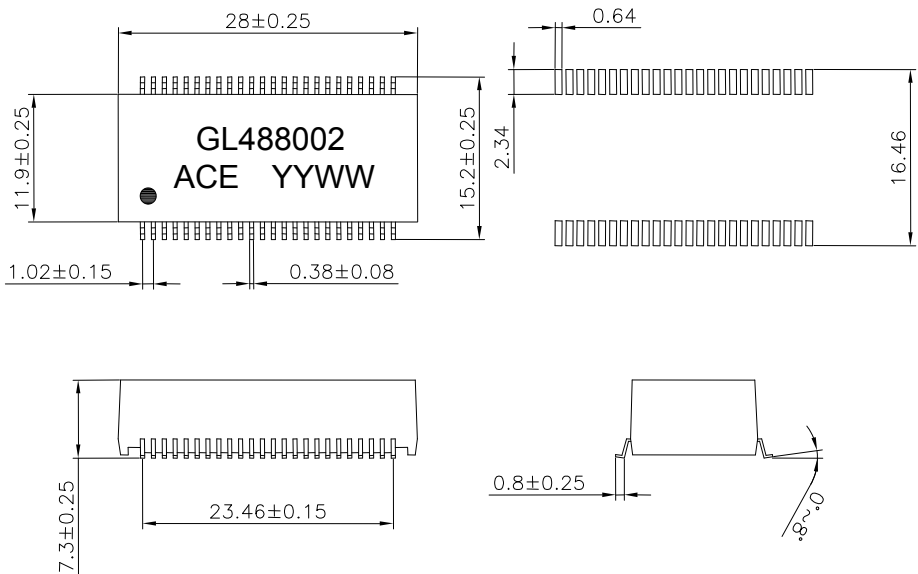
Specifications :@ 25⁰C, operating temperature 0⁰C -70⁰C

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 8mAdc over operating temperature 0⁰C -70⁰C
Note 2: Above specification only for one port.



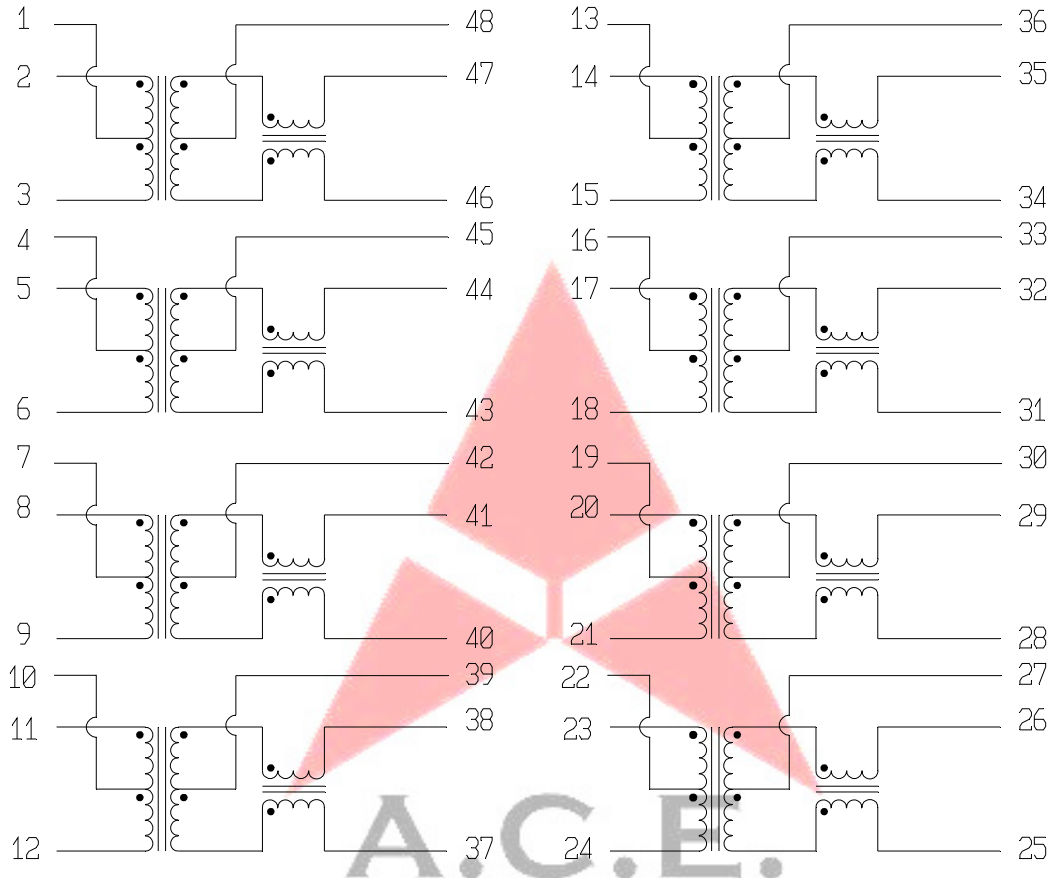
Mechanical: ± 0.25mm





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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	2008/2/23
1	cathy	Sundi	Changed Format	2009/12/21
2	Sundi	Alvin	Modified Dimension	2011/4/29
3	Sundi	Alvin	Modified Dimension Add Feature	2011/5/19

