



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



Product Specification

Product name	GL2P1005
Product Type	48pins Magnetic Module
System Application	10/100/1000Base Dual Port
Author	Sundi Lin
Approved By	Alvin Liou



泰華達股份有限公司

Archicore Electronics CO., LTD

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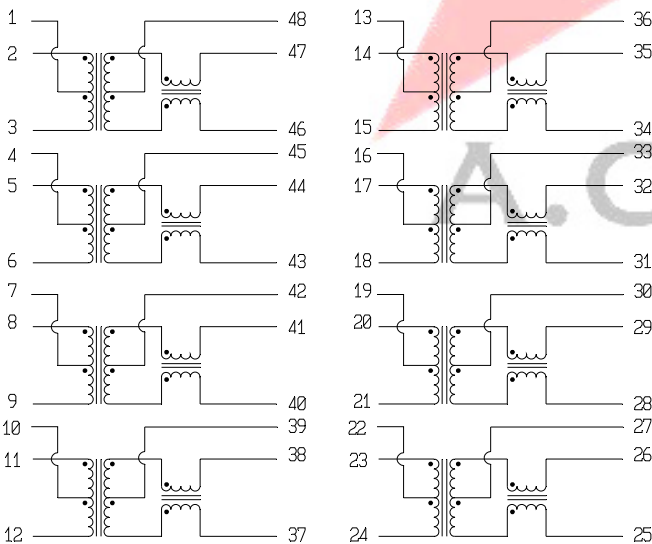
Feature :

1. Designed to meet IEEE802.3z requirement.
2. High performance for EMI suppression

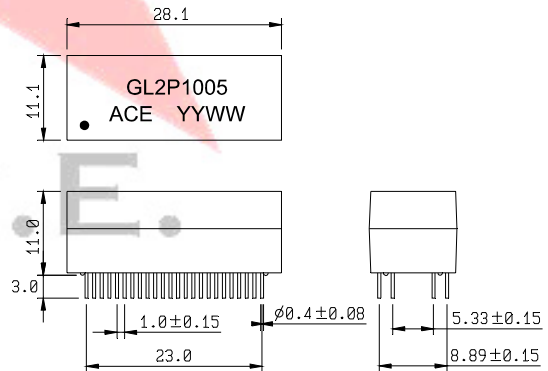
Specifications : @ 25⁰C, operating temperature 0⁰C -70⁰C

1. Turn Ratio	1CT :1CT ± 5%	TX , RX
2. Inductance(with 8mA)	350uH Min.	@100KHz,100mV
3. DCR	1.2Ω Max.	
4. Insertion Loss	-1.0 dB Max.	@1-100MHz
5. Return loss	-18 dB Min.	@1-30MHz
	-14.4 dB Min.	@40MHz
	-13.1 dB Min.	@50MHz
	-12 dB Min.	@60-80MHz
	-10 dB Min.	@100MHz
6. Cross talk	-40 dB Min.	@30MHz
	-35 dB Min.	@60MHz
	-30 dB Min.	@100MHz
7. CMRR	-40 dB Min.	@30MHz
	-35 dB Min.	@60MHz
	-30 dB Min.	@100MHz
8. Voltage isolation	1500 vrms	
9. Leakage Inductance	0.8uH Max.	
10. Cww	45pF Max.	

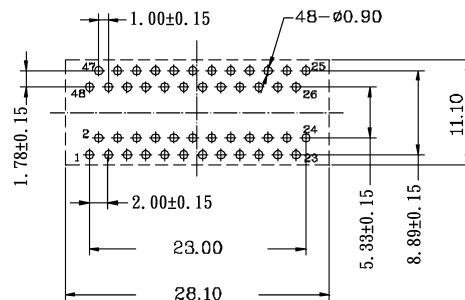
Schematic:



Dimension: +/-0.25 mm



PCB Layout: +/-0.25 mm





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Revision History:

Rev.	Author	Approved by	Description of change	Issued date
0	Sundi	Alvin	New release	2011/1/3
1	Sundi	Alvin	Modified Specifications	2011/3/1
2	Sundi	Alvin	changed tolerance of dimension	2011/3/18

