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ArchiCore Electronics CO., LTD



## Product Specification

<b>Product name</b>	<b>GL1P1001</b>
<b>Product Type</b>	<b>4 Channels Gigabit PTH Type Transformer</b>
<b>System Application</b>	<b>24pins Magnetic Module</b>
<b>Author</b>	<b>Timmy Wu</b>
<b>Approved By</b>	<b>Sundi Lin</b>

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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**



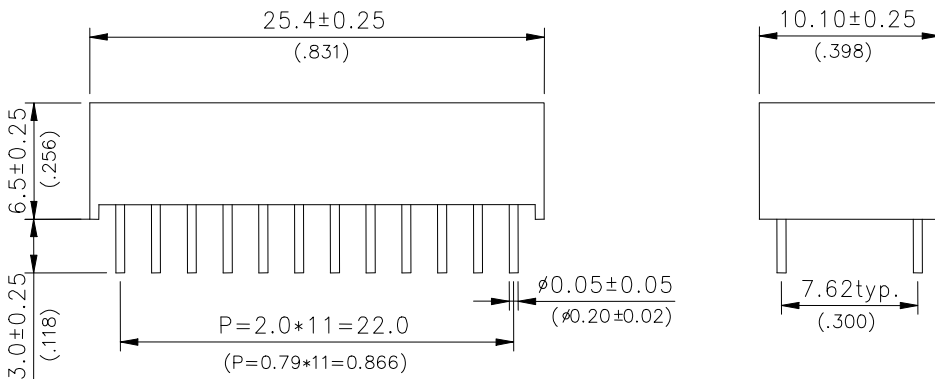
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**Specifications** :@ 25<sup>0</sup>C, operating temperature 0<sup>0</sup>C -70<sup>0</sup>C

1. Inductance( note1)	350uH Min.	@100KHz,100mV,
2.Turn Ratio	1CT :1CT ± 5%	Pin( 2-3): ( 23-22) each wire
3. Insertion Loss	-1.0 dB Max.	@1-100MHz
4. Return loss	-18 dB Min.	@1-30MHz
	-18 dB Min.	@40MHz
	-16 dB Min.	@50MHz
	-12 dB Min.	@80MHz
5. Cross talk	-45 dB Min.	@1-60MHz
	-40 dB Min.	@60MHz
	-35 dB Min.	@100MHz
6. Voltage isolation	1500 vrms	

Note 1 : measured at 8mAdc over operating temperature 0<sup>0</sup>C -70<sup>0</sup>C  
Note 2: Above specification only for one port.

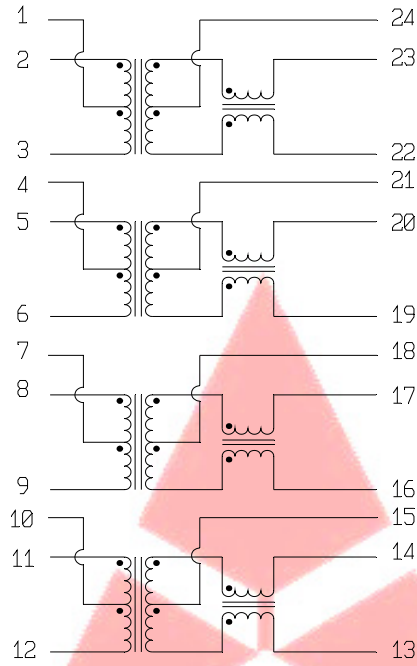
**Mechanical:** ± 0.25mm





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**Schematic:**



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**Revision History:**

Rev.	Author	Approved by	Description of change	Issued date
0	Timmy	Sundi	New release	06/08/2010

