

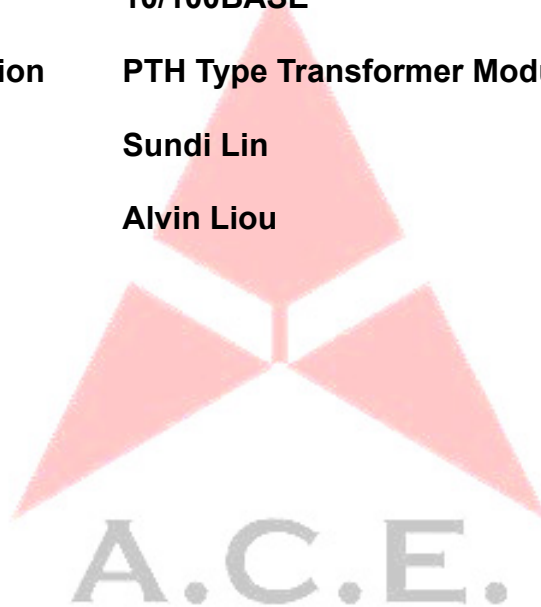


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ArchiCore Electronics CO., LTD



## Product Specification

<b>Product name</b>	<b>HL1P1012</b>
<b>Product Type</b>	<b>10/100BASE</b>
<b>System Application</b>	<b>PTH Type Transformer Module</b>
<b>Author</b>	<b>Sundi Lin</b>
<b>Approved By</b>	<b>Alvin Liou</b>



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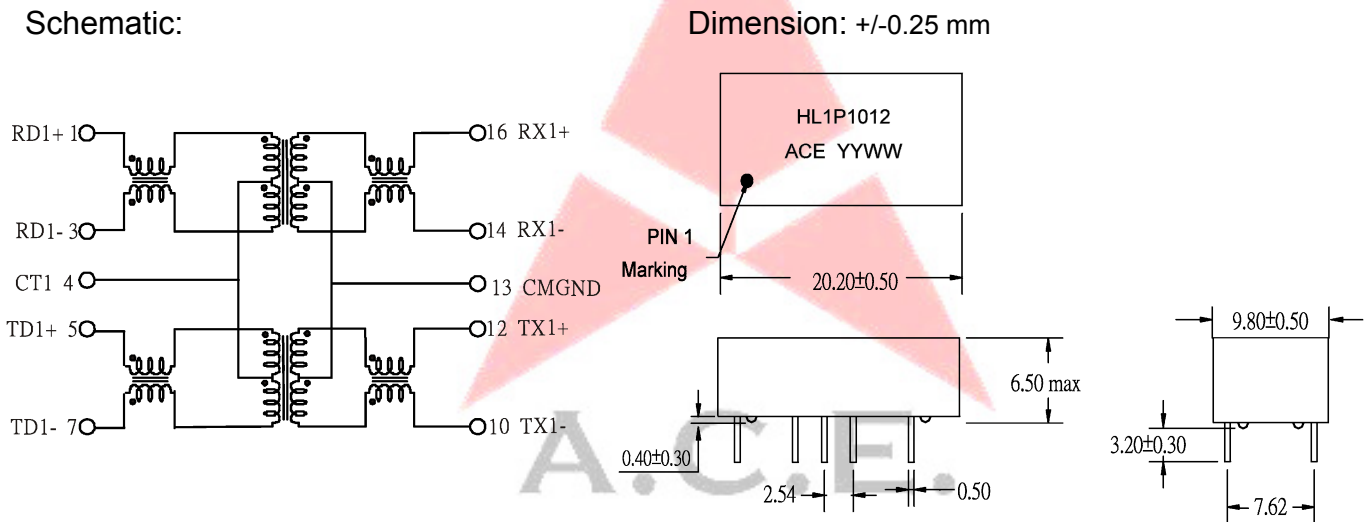


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Specifications : @ 25°C, operating temperature 0°C -70°C

- |                         |  |   |
|-------------------------|--|---|
| 1. Turn Ratio           | 1CT :1CT ± 5%  |   |
| 2. Inductance(with 8mA) | 350uH Min.   | @100KHz, 100mV                            |
| 3. Insertion Loss       | -1.0 dB Max.   | @1-100MHz                                 |
| 4. Return loss          | -16 dB Min.<br>-13.5 dB Min.<br>-11.5 dB Min.<br>-10 dB Min. | @1-30MHz<br>@40MHz<br>@50MHz<br>@60-80MHz |
| 5. Cross talk           | -40 dB Min.<br>-38 dB Min.                                   | @1-60MHz<br>@60-100MHz                    |
| 6. Voltage isolation    | 1500 vrms  |   |

Schematic:





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**Revision History:**

Rev.	Author	Approved by	Description of change	Issued date
0	Sundi	Alvin	New release	2011/2/22

