



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

Product Specification

Product name	HL1P2003
Product Type	10/100BASE
System Application	SMD Transformer Module Type
Author	Cathy Huang
Approved By	Sundi Lin
RoHS Compliant	



泰華達股份有限公司

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



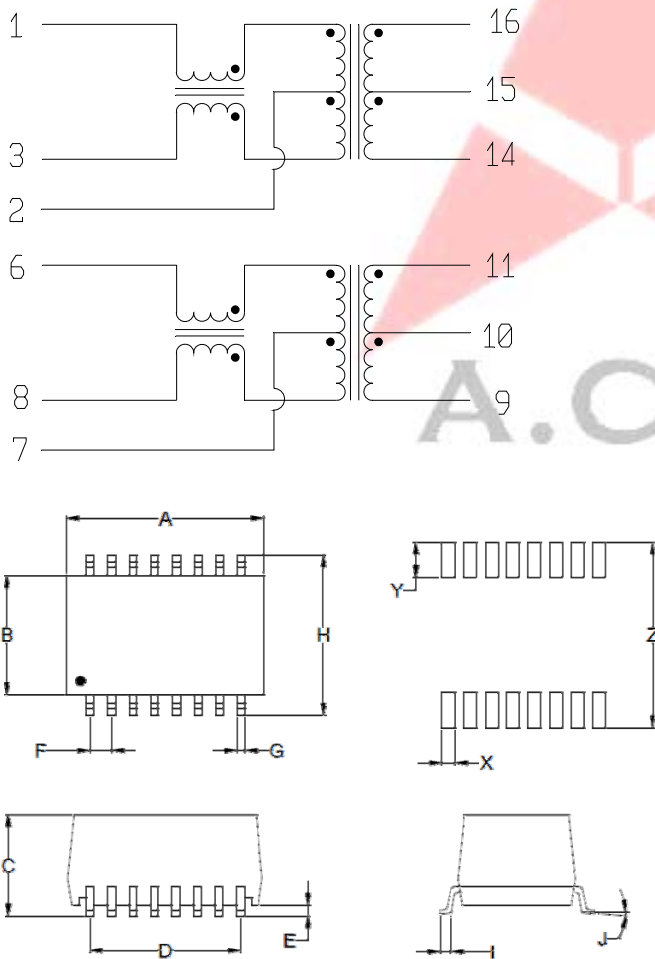
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Specifications : @ 25°C, operating temperature 0°C -70°C

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|-------------------------|---------------|---|
| 1. Turn Ratio | 1CT :1CT ± 5% | Pin(16-14) : (1-3); Pin(11-9) : (6-8) |
| 2. Inductance(with 8mA) | 350uH Min. | Pin(16-14) & Pin(11-9), @100KHz, 100mV, |
| 3. Insertion Loss | -1.0 dB Max. | @1-100MHz |
| 4. Return loss | -16 dB Min. | @1-30MHz |
| | -13.5 dB Min. | @40MHz |
| | -11.5 dB Min. | @50MHz |
| | -10 dB Min. | @60-80MHz |
| 5. Cross talk | -40 dB Min. | @1-60MHz |
| | -38 dB Min. | @60-100MHz |
| 6. Voltage isolation | 1500 vrms | |

Schematic:

Dimension:



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	12.10	13.10	0.476	0.516
B	6.50	7.50	0.256	0.295
C	5.84(max)		0.230(max)	
D	8.89(typical)		0.350(typical)	
E	0.15	0.45	0.006	0.018
F	1.27(typical)		0.050(typical)	
G	0.46(typical)		0.018(typical)	
H	9.10	9.70	0.358	0.382
I	0°	8°	0°	8°
J	0.45	0.95	0.018	0.037
X	0.76(typical)		0.024(typical)	
Y	2.03(typical)		0.074(typical)	
Z	10.67(typical)		0.420(typical)	