

## 1000BASE-T1 SINGLE PAIR ETHERNET TRANSFORMERS MODEL NO. : DL8086

### FEATURES:

- RoHS Compliant
- Supports 1000base-T1 with 650mA max.(PoDL Class 12)
- Operating Temperature. : -40°C ~ 105°C
- Storage Temperature : -40°C ~ +105°C

### SPECIFICATIONS : @ 25°C ( shorted Pin 5 & Pin 6 )

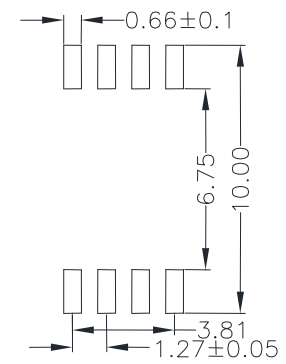
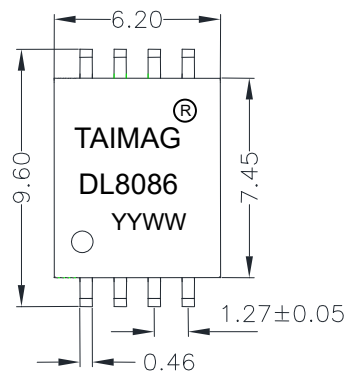
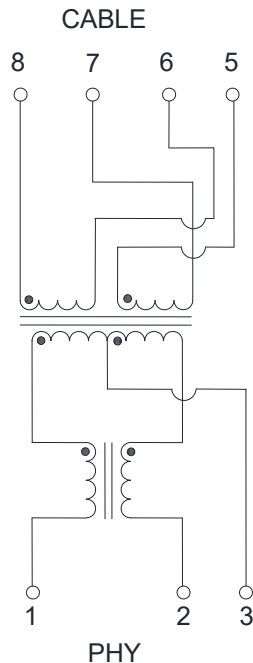
OCL : 100 uH Min @100kHz ,100mv

Turns Ratio: 1CT:1CT±2%

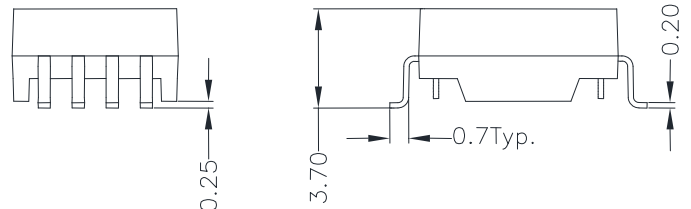
Insertion Loss MHz (dB MAX)		Return Loss MHz (dB MIN)		Differential common mode Rejection MHz (dB MIN)			DCR Ω Max.	HIPOT (VDC)
1~250	250~600	1~100	100~600	1-60	60~100	100~600	1.0	2250
-1.0	-2.5	-18.0	-18+16.7log(f/100)	-40	-35	-20		

### SCHEMATICS:

**DIMENSION:** mm ;TOLERANCE: ±0.25 ; 0.xx±0.05



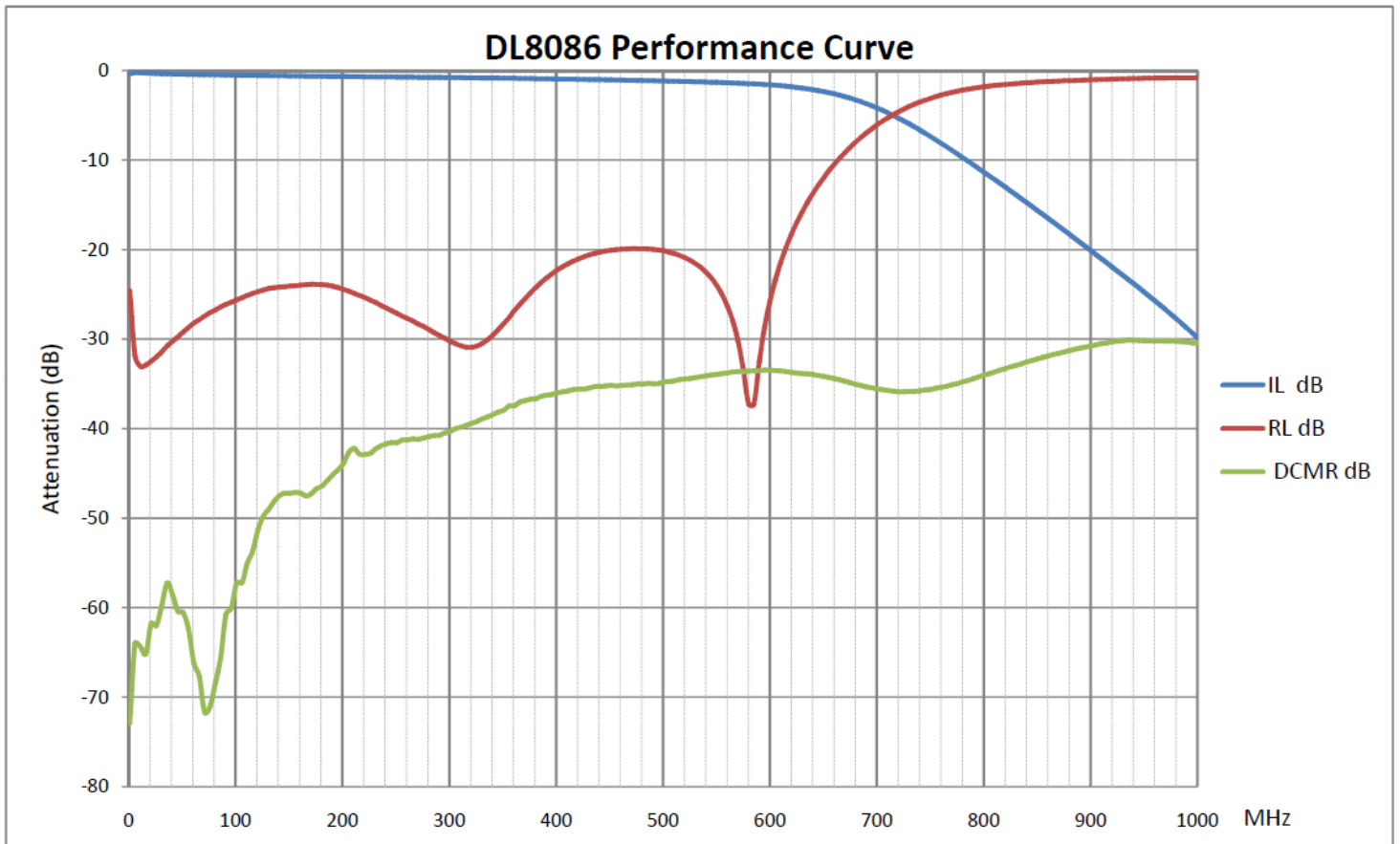
Suggested PadLayout



The maximum coplanarity of the terminals is 0.1 mm

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Performance curves:



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PACKAGE: 900 pcs/ Reel ;4500pcs / Carton

