

# 10G Ethernet Transformers

## CMI-ATPL-386R



### Introduction

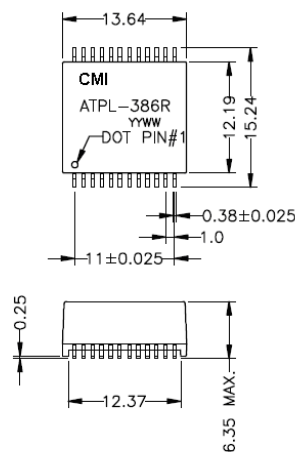
- ◆ Compliant with IEEE 802.3 standard
- ◆ RoHS peak reflow temperature rating: 245°C
- ◆ Fine-tuned magnetic to specific PHY vendors
- ◆ Supports 4 pairs of Category 6a UTP cables
- ◆ RoHS compliant

### Specifications

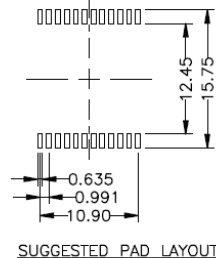
Parameters	Condition	Min.	Typ.	Max.	Unit
Impedance	100				Ω
Insertion Loss	1 -100MHz		1	1.2	dB
	100 -400MHz		1.2	1.5	
	400 -500MHz		2	2.5	
Return Loss	1 -100MHz	15	18		dB
	100 -400MHz	12	14		
	400 -500MHz	10	12		
Common to Differential Mode Rejection	1 -250MHz		-30		dB
	250 -500MHz		-22		
Crosstalk	1 -100MHz		-40		dB
	100 -500MHz		-30		
Hi pot			1500		Vrms

### Shape and Size (Dimensions are in mm)

Mechanical Dimension:



Unless otherwise specified all tolerances are : ±0.25



Circuit Schematic :

