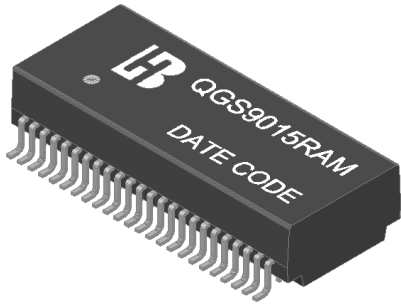


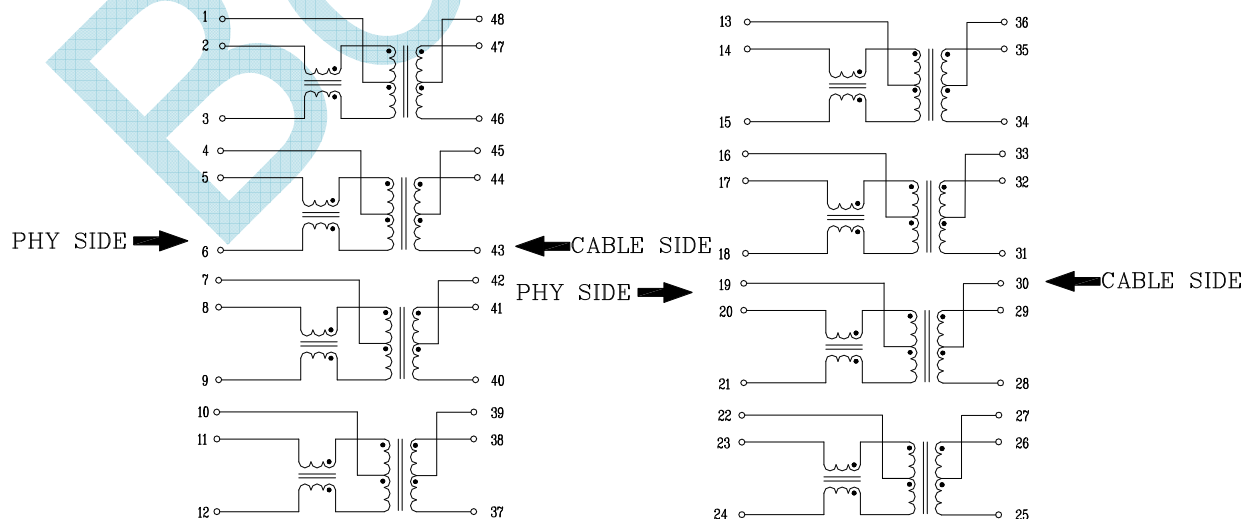
**Feature**



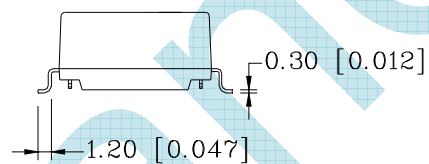
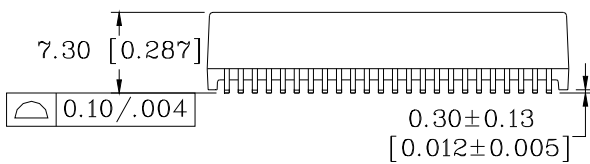
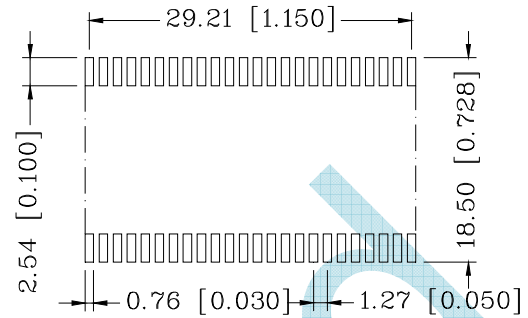
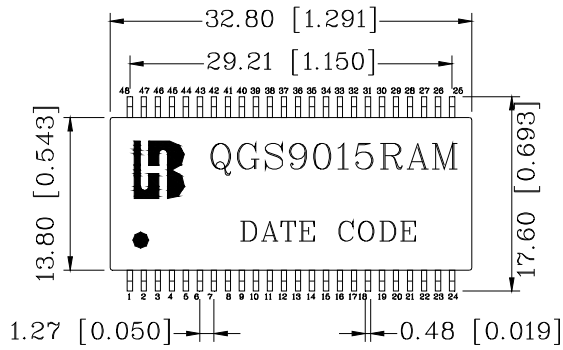
- Design for 2.5G/5G ethernet application.
- POE applications with 1A current capability.
- Complying with ROHS & Halogen Free requirements.
- Operating temperature range: -40°C to +105°C.
- Storage temperature range: -40°C to +105°C.

Electrical Specifications @ 25°C							
Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V	L.L (uH Max)	C <sub>w/w</sub> (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
QGS9015RAM	1CT:1CT	1CT:1CT	180	0.5	28	1.0	AC1500V/1mA
Continue							
Part Number	Insertion Loss (dB Max)			Return Loss (dB Min)@ Load 100Ω			
	1 ≦ f ≦ 100 MHz		100 < f ≦ 250 MHz	1 ≦ f ≦ 40 MHz		40 < f ≦ 250 MHz	
QGS9015RAM	-1.0		-2.0	-16		-(16-10 log <sub>10</sub> (f/40))	
Continue							
Part Number	Cross talk (dB Min)			DCMR (dB Min)			
	1 ≦ f ≦ 100 MHz			100 < f ≦ 250MHz	1 < f ≦ 30 MHz	30 < f ≦ 250 MHz	
QGS9015RAM	$20 \log_{10} \left[ 10^{\frac{35.3 - 15 \log_{10}(f/100)}{-20}} + 2 \times 10^{\frac{43 - 20 \log_{10}(f/100)}{-20}} \right]$			-30	-48	-(44-19.2 log <sub>10</sub> (f/50))	

**Schematic**

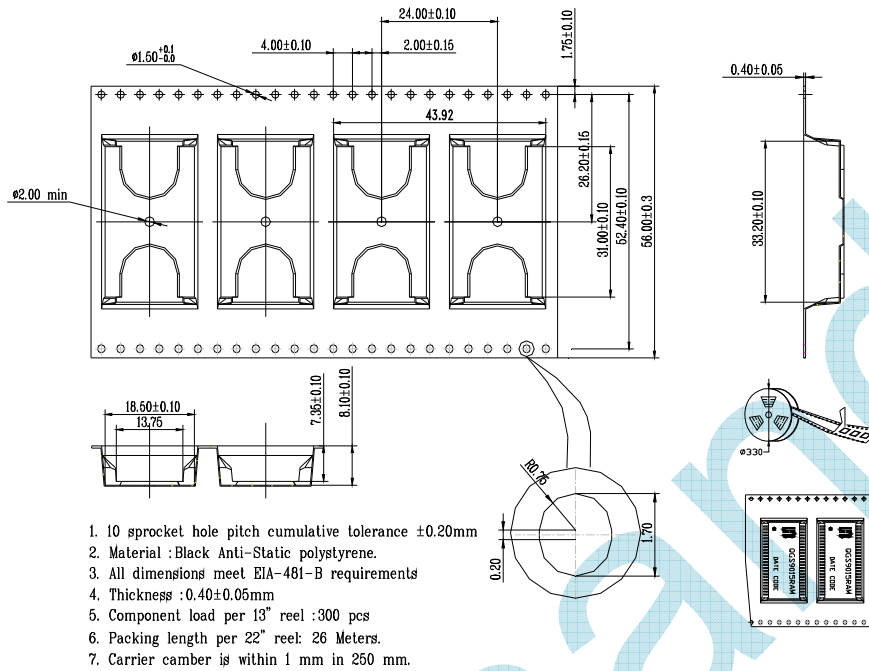


Mechanical

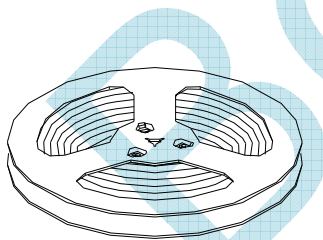


Units: mm[Inches] all Tolerance: xx.xx±0.25[0.010]  
 0.xx±0.05[0.002]

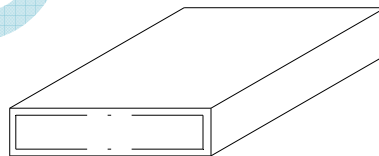
**REEL PACKAGE**



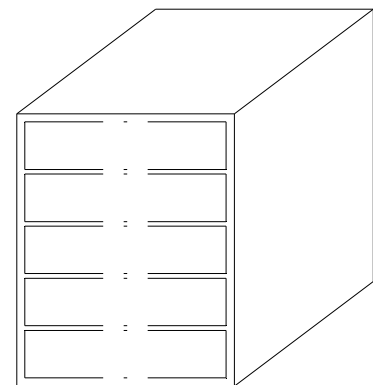
**CARTON PACKAGE**



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 REEL=300PCS
2. 1 INNER BOX=1 REEL=300PCS
3. 1 OUTER CARTON=5 INNER BOXES=1500PCS