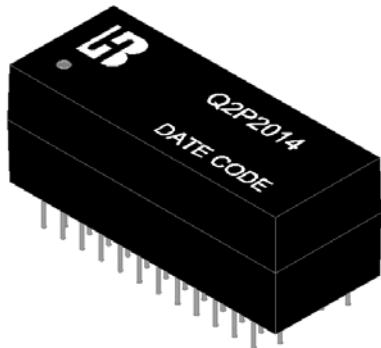


10/100/1000/2.5G BASE – T
MAGNETICS MODULES
P/N: Q2P2014 DATA SHEET



Feature



- Design for 2.5G ethernet application.
- Unsupported Poe application.
- Complying with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.

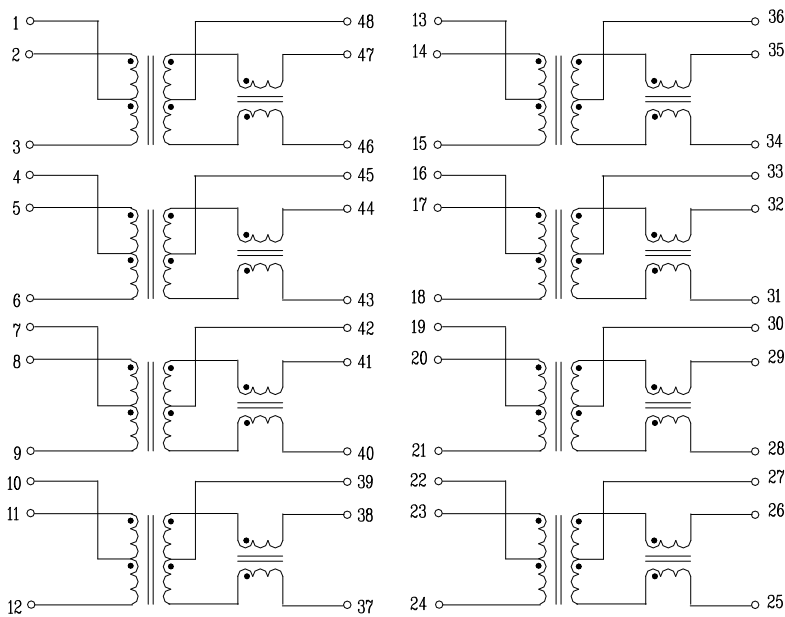
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V	Cross talk (dB Min)	HI-POT (Vrms)
	TX	RX		1 ≦ f ≦ 200 MHz	
Q2P2014	1CT:1CT	1CT:1CT	180	-(43.1 – 20 log ₁₀ (f / 100))	1500

Continue

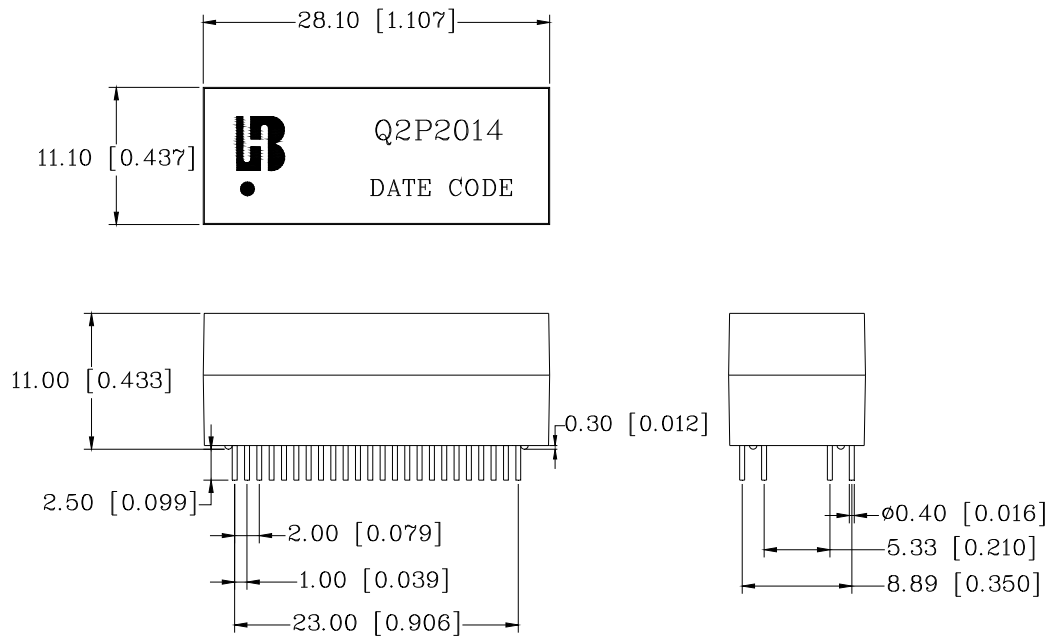
Part Number	Insertion Loss (dB Max)		Return Loss (dB Min)@ Load 100Ω		DCMR (dB Min)	
	1 ≦ f ≦ 100 MHz	100 < f ≦ 200 MHz	1 ≦ f ≦ 40 MHz	40 < f ≦ 200 MHz	1 < f ≦ 30 MHz	30 < f ≦ 200 MHz
Q2P2014	-1.0	-2.0	-16	-(16-10 log ₁₀ (f / 40))	-48	-(44-19.2 log ₁₀ (f / 50))

Schematic



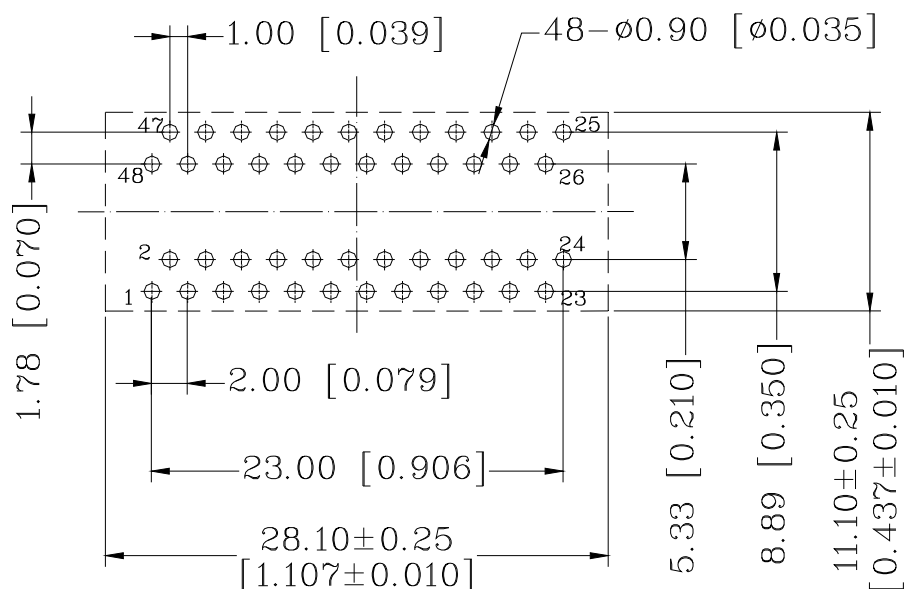
www.bothhandusa.com

Mechanical



Units: mm[Inches] Tolerances XX.X0 : ± 0.25 [0.010]
0.XX : ± 0.05 [0.002]

PCB Layout mounting Hole (Top View)



Unless otherwise specified,
all dimension tolerance are: ± 0.08 [± 0.003]