

Feature



- Designed for Ethernet 100/1000 BASE-T, full duplex applications.
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Complying with IEEE 802.3ab standard for 1000 BASE-T.
- IEEE 802.3at/ANSI X3.263 complying performance.
- POE applications with 600mA current capability.
- Complying with ROHS & Halogen Free 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 with 8mA DC Bias	L.L (uH Max)	Cw/w (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
GS6014 LF	1CT:1CT	1CT:1CT	350	0.5	28	1.1	AC1500V/1mA

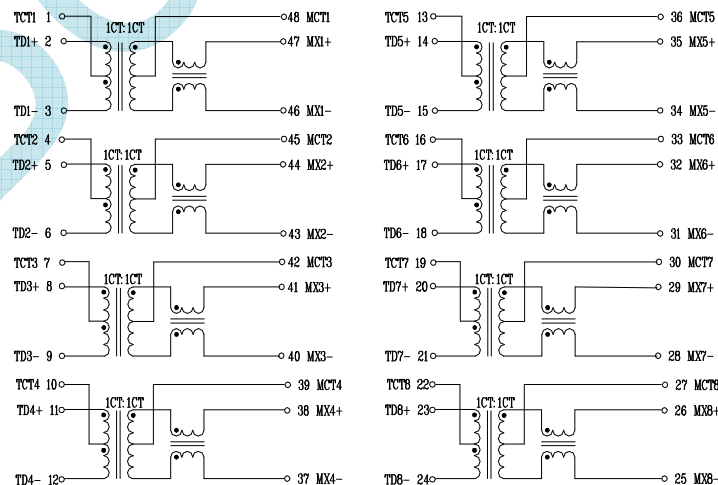
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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100Ω				
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz
GS6014 LF	-1.0	-18	-16	-14.08	-12.5	-10

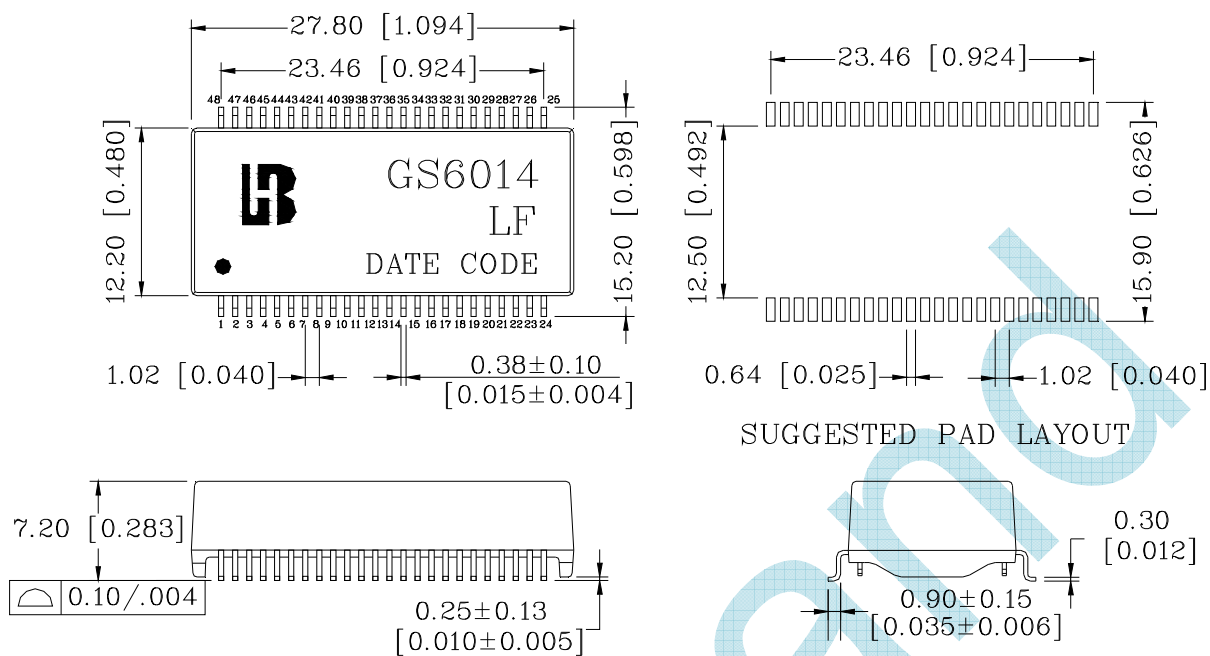
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Part Number	Cross talk (dB Min)			DCMR (dB Min)		
	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
GS6014 LF	-40	-35	-30	-43	-37	-33

Schematic



Mechanical



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

Technical drawing of a three-chambered manhole with dimensions in millimeters. The drawing includes a top view, a side elevation, and a detail of a corner.

Top View Dimensions:

- Overall width: 44.00 ± 0.3
- Overall height: 40.40 ± 0.10
- Chamber width: 20.20 ± 0.10
- Chamber height: 25.50 ± 0.10
- Top flange width: 1.75 ± 0.10
- Top flange spacing: 2.00 ± 0.10
- Top flange hole diameter: $\phi 1.50^{+0.10}_{-0.00}$
- Bottom flange width: 20.00 ± 0.10
- Bottom flange hole diameter: $\phi 2.00_{min}$
- Bottom flange thickness: 0.20
- Bottom flange radius: $R0.75$

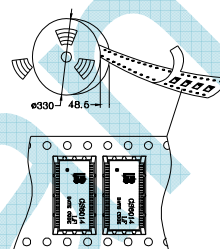
Side Elevation Dimensions:

- Height: 28.40 ± 0.10
- Width: 7.40 ± 0.10
- Thickness: 0.2_{Min}

Bottom View Dimensions:

- Overall width: 15.75 ± 0.10
- Overall height: 12.65 ± 0.10
- Chamber width: 7.95 ± 0.10

1. 10 sprocket hole pitch cumulative tolerance ± 0.20
2. Carrier camber is within mm in 250mm
3. Material : Black Anti-Static polystyrene.
4. All dimensions meet ELA-481-B requirements
5. Thickness : 0.40 ± 0.05 mm
6. Component load per 13" reel : 350pcs
7. Packing length per 22" reel : 25.1 Meters
8. comply with Bothhand's <BHKP-WI-44-005> requirements



1. 1 Reel=350PCS
2. 1 INNER BOX=1 Reel=350 PCS
3. 1 OUTER CARTON=5 INNER BOX=5*350=1750 PCS