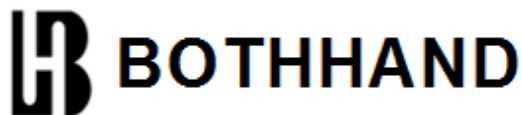
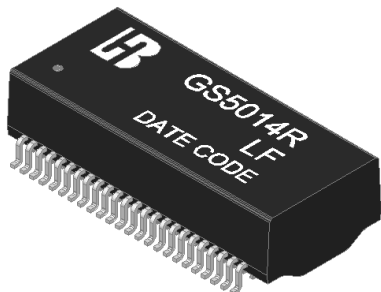


**GS5014R LF**  
**SMD 1000 BASE-T Dual Port Discrete**  
**LAN Magnetics**



**Feature**



- Complying with IEEE 802.3ab standard for 1000 BASE-T , full duplex applications.
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- POE applications with 350mA 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)	C <sub>ww</sub> (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
GS5014R LF	1CT:1CT	1CT:1CT	350	0.5	28	1.1	AC1500V/1mA

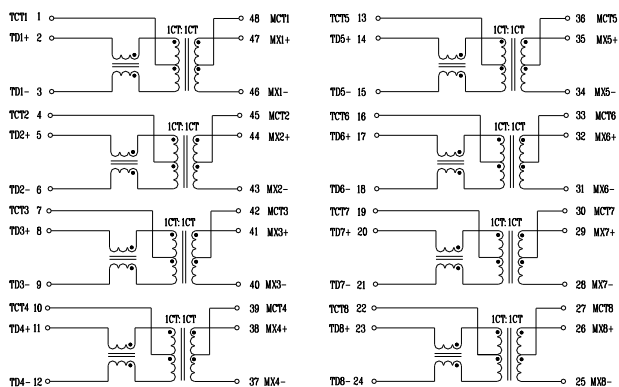
**Continue**

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ Load 100Ω				
		1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz
GS5014R LF	-1.0	-18	-16	-14.08	-12.5	-10

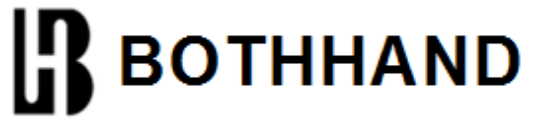
**Continue**

Part Number	Cross talk (dB Min)			DCMR (dB Min)		
	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
GS5014R LF	-40	-35	-30	-43	-37	-33

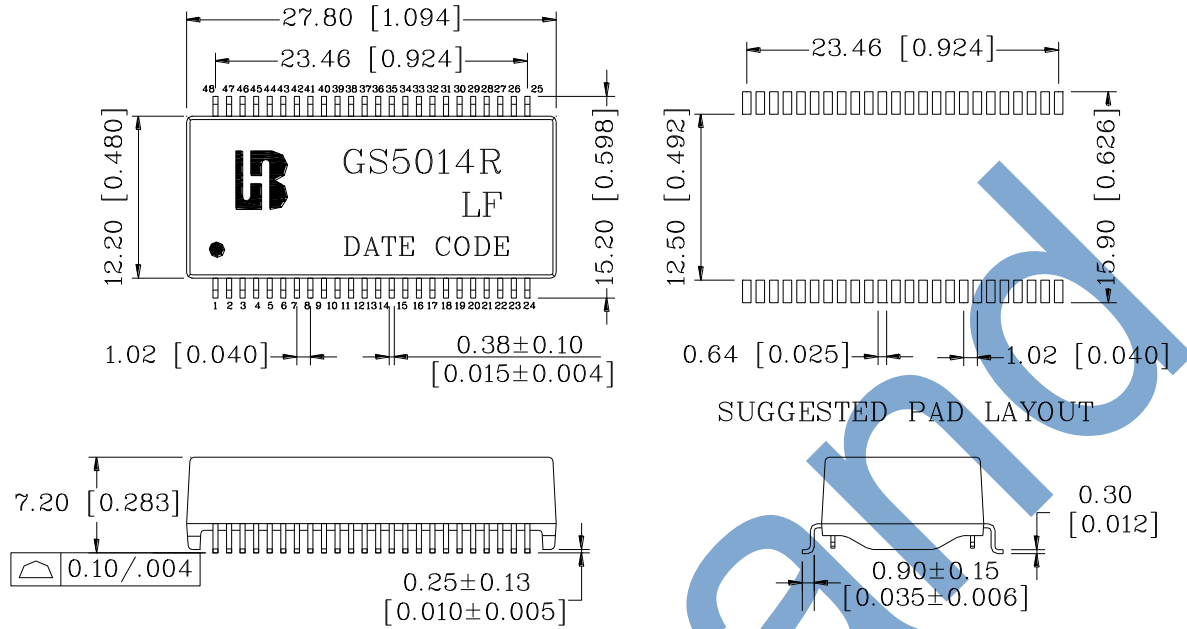
**Schematic**



**GS5014R LF**  
**SMD 1000 BASE-T Dual Port Discrete**  
**LAN Magnetics**

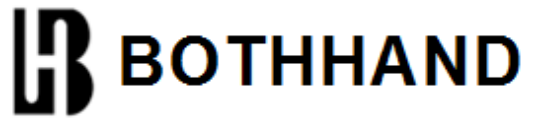


**Mechanical**

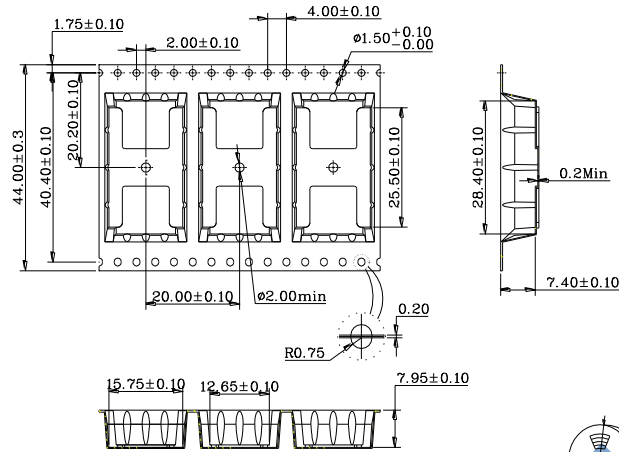


Units: mm[Inches] Tolerance: xx.xx±0.25[0.010]  
 0.xx±0.05[0.002]

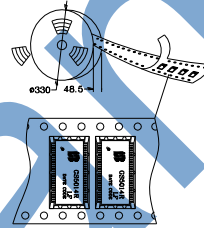
**GS5014R LF**  
**SMD 1000 BASE-T Dual Port Discrete**  
**LAN Magnetics**



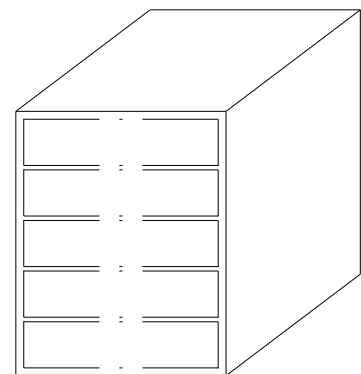
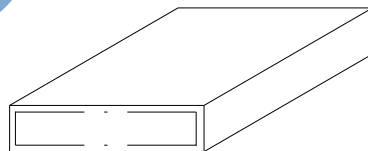
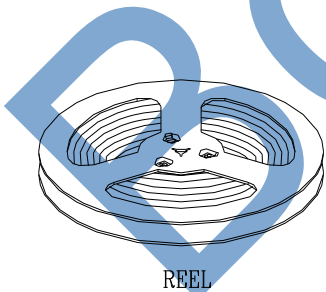
**REEL PACKAGE**



1. 10 sprocket hole pitch cumulative tolerance  $\pm 0.20$
2. Carrier camber is within 1 mm in 250mm
3. Material : Black Anti-Static polystyrene.
4. All dimensions meet EIA-481-B requirements
5. Thickness :  $0.40 \pm 0.05$ 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



**CARTON PACKAGE**



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