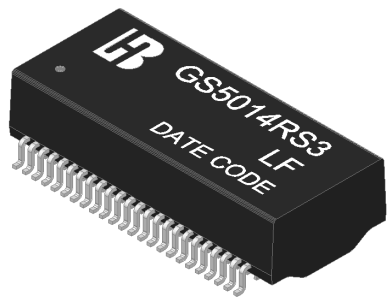


Feature



- 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.
- Pass surge 1.2/50uS 6KV (Line side to Chip side) .
- 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 _{w/w} (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
GS5014RS3 LF	1CT:1CT	1CT:1CT	350	0.5	28	1.2	AC4KV/1mA/2S

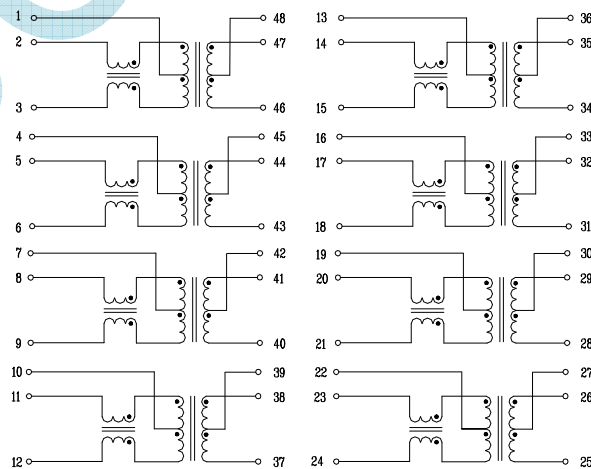
Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100Ω			
		1-100MHz	1-40MHz	50MHz	60-80MHz
GS5014RS3 LF	-1.0	-18	-14	-12	-10

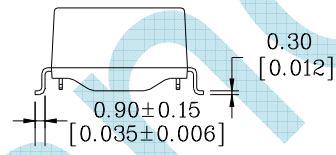
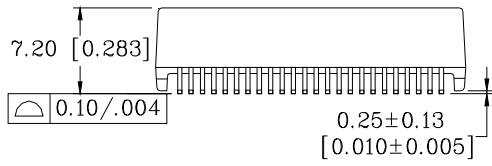
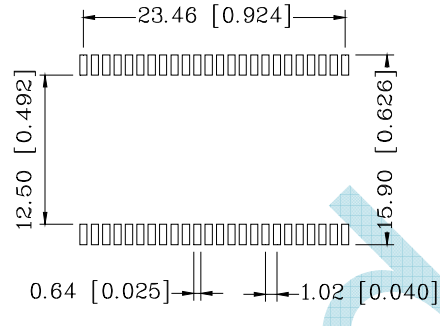
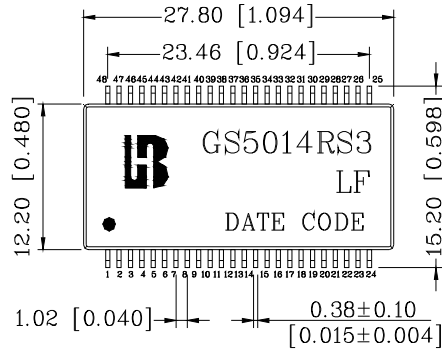
Continue

Part Number	Cross talk (dB Min)			DCMR (dB Min)		
	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
GS5014RS3 LF	-40	-35	-30	-43	-37	-33

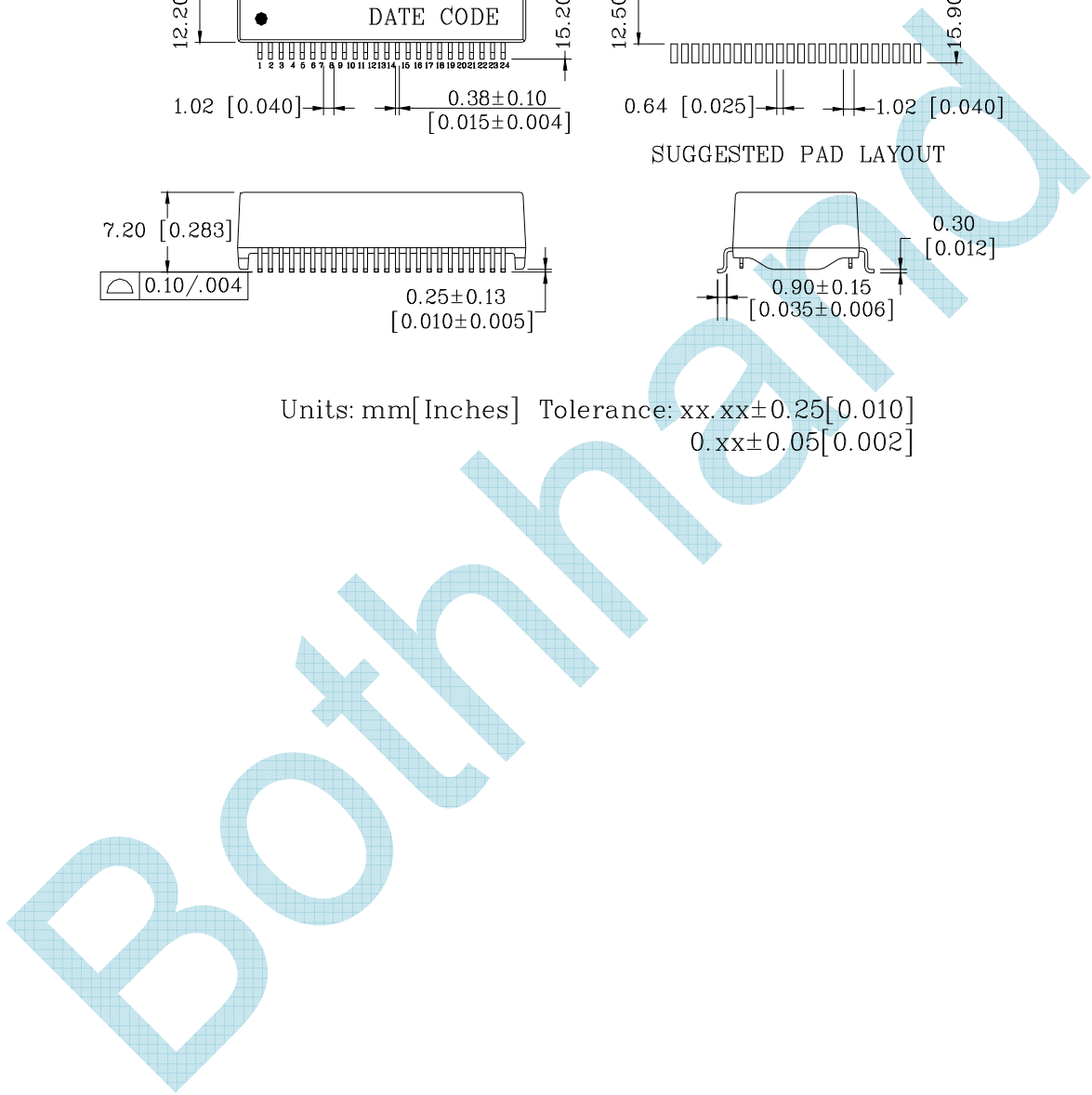
Schematic



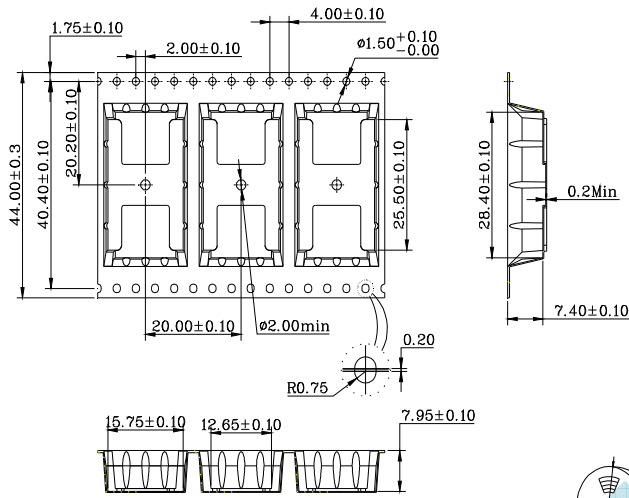
Mechanical



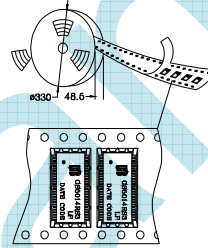
Units: mm[Inches] Tolerance: xx.xx±0.25[0.010]
 0.xx±0.05[0.002]



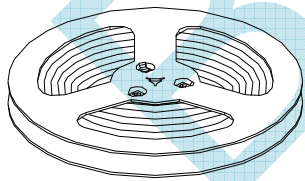
REEL PACKAGE



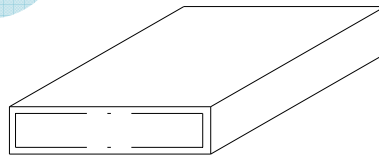
1. 10 sprocket hole pitch cumulative tolerance ± 0.20
2. Carrier camber is within 1mm in 250mm
3. Material : Black Anti-Static polystyrene.
4. All dimensions meet EIA-481-B requirements
5. Thickness : $0.40 \pm 0.05\text{mm}$
6. Component load per 13' reel : 350pcs
7. Packing length per 22" reel: 25.1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



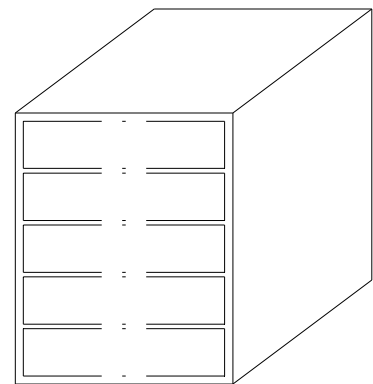
CARTON PACKAGE



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 REEL=350PCS
2. 1 INNER BOX=1 REEL=350PCS
3. 1 OUTER CARTON=5 INNER BOXES=1750PCS