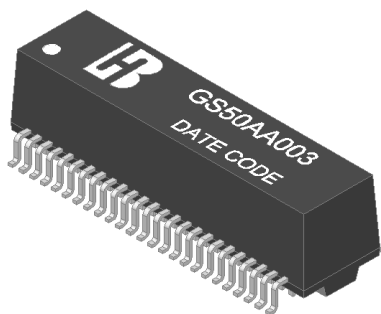


Feature



- 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 802.3bt type3 standard for 1000 Base-T.
- POE application with 720mA current capability.
- Meet PoE 60W standard.
- 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 _{WW} (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
GS50AA003	1CT:1CT	1CT:1CT	350	0.5	28	1.0	AC1500V/1mA

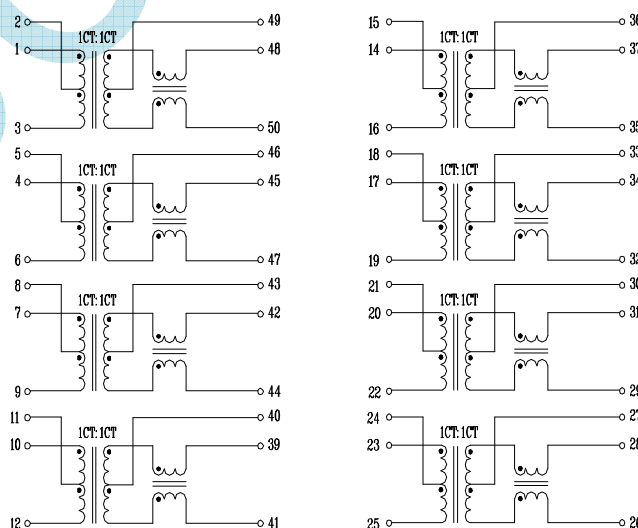
Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100Ω				
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz
GS50AA003	-1.0	-18	-16	-14.08	-12.5	-10

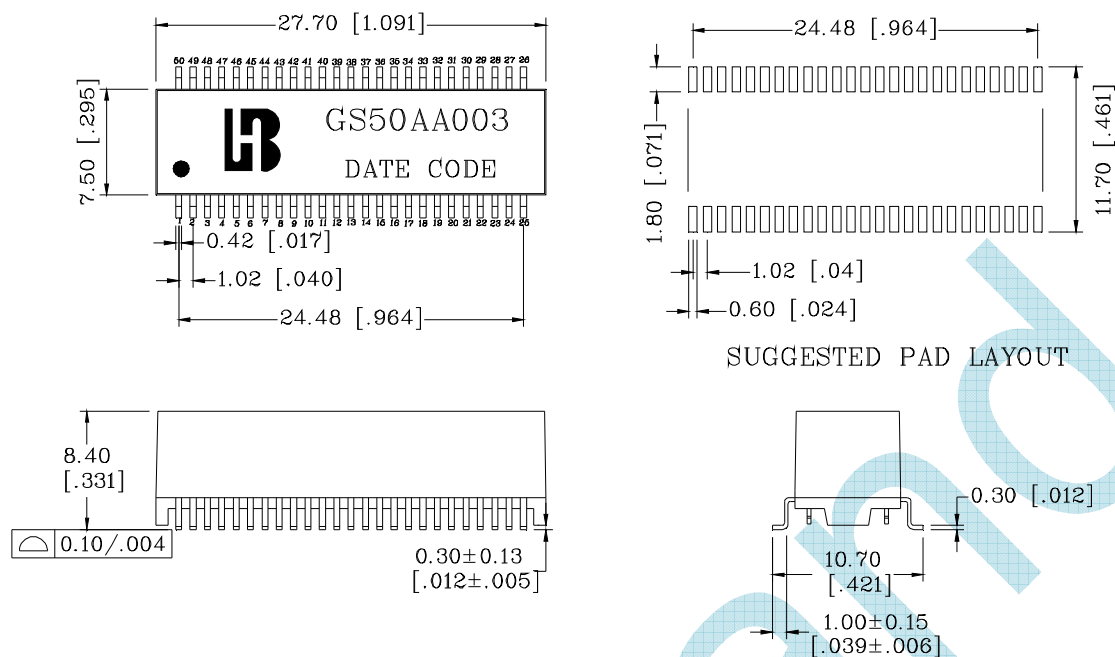
Continue

Part Number	Cross talk (dB Min)			DCMR (dB Min)		
	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
GS50AA003	-40	-35	-30	-43	-37	-33

Schematic



Mechanical



Units: mm[Inches] Tolerances: xx.xx±0.25[.010]

0.xx±0.05[.002]

Technical drawing of a mechanical part, likely a bracket or base plate, showing top, side, and detail views.

Top View Dimensions:

- Overall width: 44 ± 0.30
- Overall height: 40.4 ± 0.10
- Slot width: 26.31 ± 0.10
- Slot spacing: 24 ± 0.10
- Slot width (inner): 20.2 ± 0.15
- Slot width (outer): 1.75 ± 0.10
- Slot width (inner, bottom): 7 ± 0.10
- Slot width (outer, bottom): 2 ± 0.10
- Slot width (outer, top): 4 ± 0.10

Side View Dimensions:

- Overall height: 28.4 ± 0.10
- Width: 8

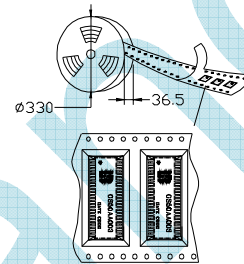
Detail A Dimensions:

- Radius: $R0.75$
- Diameter: 0.20

Other Dimensions:

- Slot width (inner, bottom): 7.5 ± 0.10
- Slot width (outer, bottom): 11.3 ± 0.10
- Slot width (outer, top): 8.6 ± 0.10
- Slot width (outer, bottom): 9.15 ± 0.10
- Slot width (inner, bottom): 4°
- Slot width (outer, bottom): $C2$

1. 10 sprocket hole pitch cumulative tolerance $\pm 0.20\text{mm}$
2. Carrier camber is within 1mm in 100mm
3. Material : Black Anti-Static Polystyrene.
4. All dimensions meet EIA-481-B requirement.
5. Packing length per 22" reel : 25.5Meters .
6. Thickness: $0.40 \pm 0.05 \text{ mm}$.
7. Component load per 13" reel : 300 .



REEL

INNER BOX: 347x347x82

OUTER CARTON: 375x375x470

- A00(23/08)
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