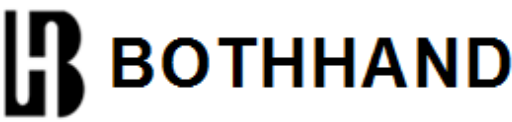
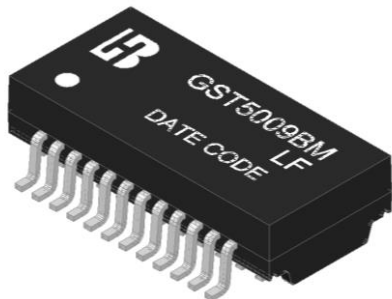


GST5009BM LF
SMD 1000 BASE-T Single Port Discrete
LAN Magnetics



Feature



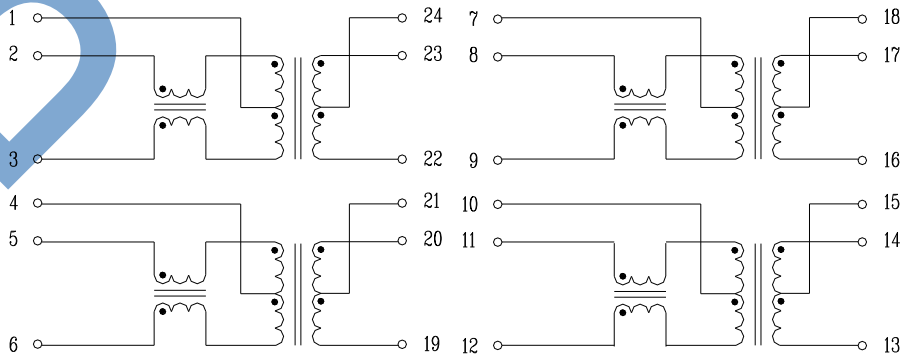
- Designed for long haul gigabit Ethernet 1000 BASE-T, full duplex applications.
- Supports 4 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Complying with IEEE 802.3ab standard for 1000 BASE-T.
- Complying with ROHS & Halogen Free requirements.
- Operating Temperature range: -40°C to +85°C.
- Storage temperature range: -40°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 _{www} (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
GST5009BM LF	1CT:1CT	1CT:1CT	350	0.5	28	1.2	AC1500V/1mA

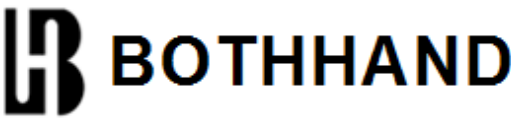
Continue						
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100Ω				
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz
GST5009BM LF	-1.0	-18	-16	-14.08	-12.5	-10

Continue						
Part Number	Cross talk (dB Min)			DCMR (dB Min)		
	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
GST5009BM LF	-45	-40	-35	-40	-35	-30

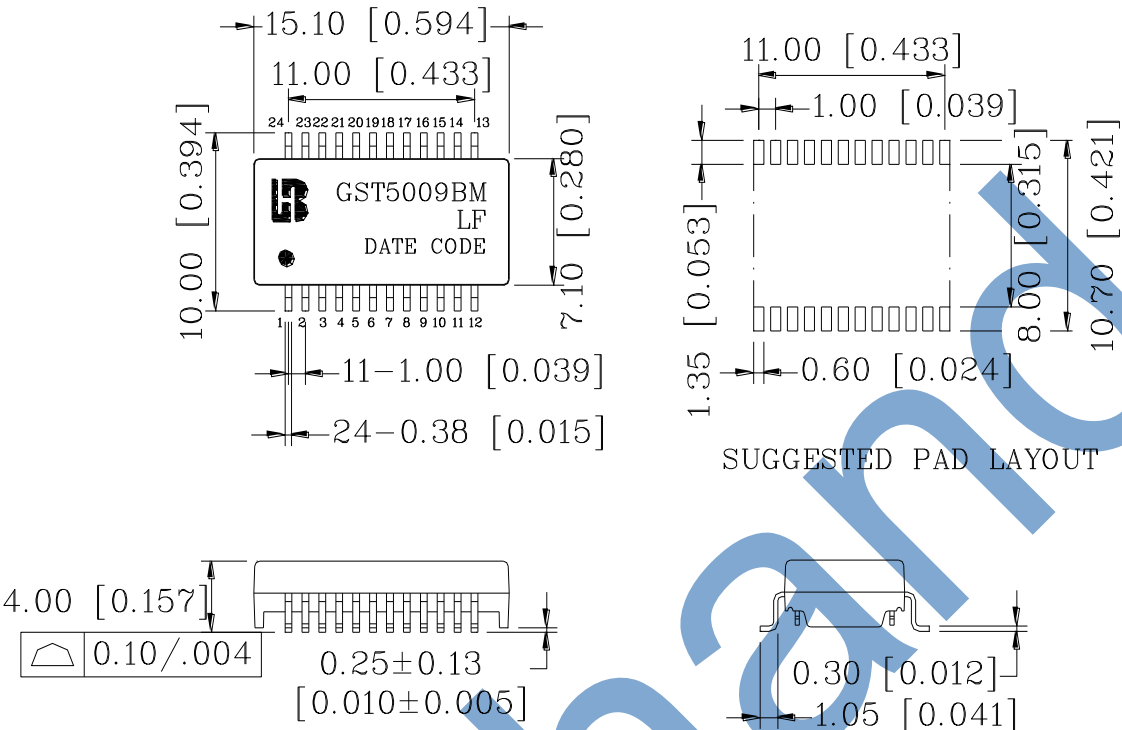
Schematic



GST5009BM LF
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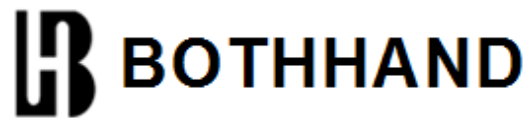


Mechanical

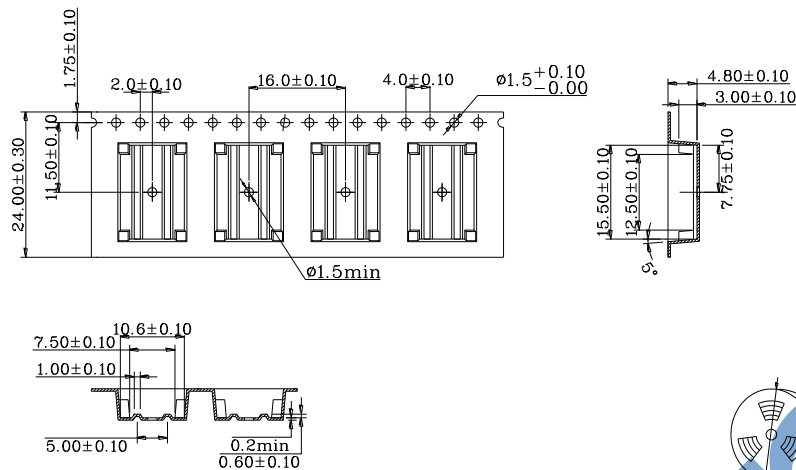


Units: mm[Inches] Tolerances: xx.xx±0.25[0.010]
0.xx±0.05[0.002]

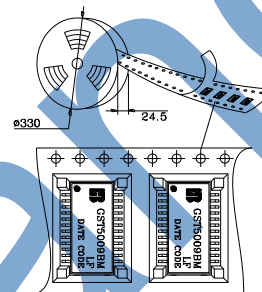
GST5009BM LF
SMD 1000 BASE-T Single Port Discrete
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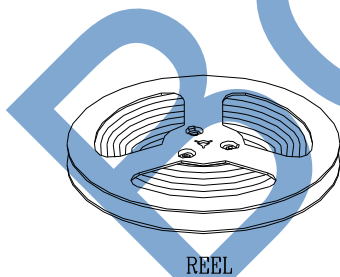
REEL PACKAGE



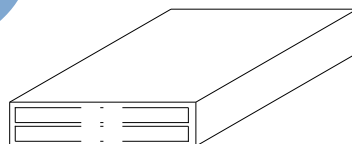
1. 10 sprocket hole pitch cumulative tolerance ± 0.20
2. Material : Black Anti-Static polystyrene.
3. All dimensions meet EIA-481-3 requirements
4. Thickness : 0.40 ± 0.05
5. Component load per 13" reel : 780pcs
6. Carrier camber is within 1 mm in 250 mm
7. Packing length per 22" reel : 41.5Meters



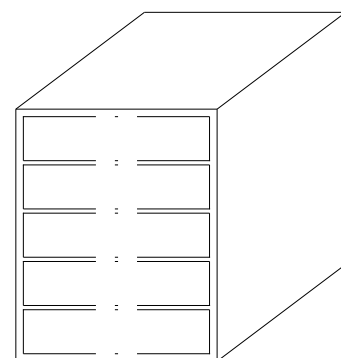
CARTON PACKAGE



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 Reel=780PCS
1. 1 INNER BOX=2 Reel=1560 PCS
1. 1 OUTER CARTON=5 INNER BOX=5*1560=7800 PCS