

10/100/1000Base SMD Transformer

Part Number: 48193SG

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- Compliant with IEEE 802.3bt standard.
- RoHS compliant.
- Power over Ethernet(PoE) Magnetics,90W@57V.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range:-20°C to +125°C

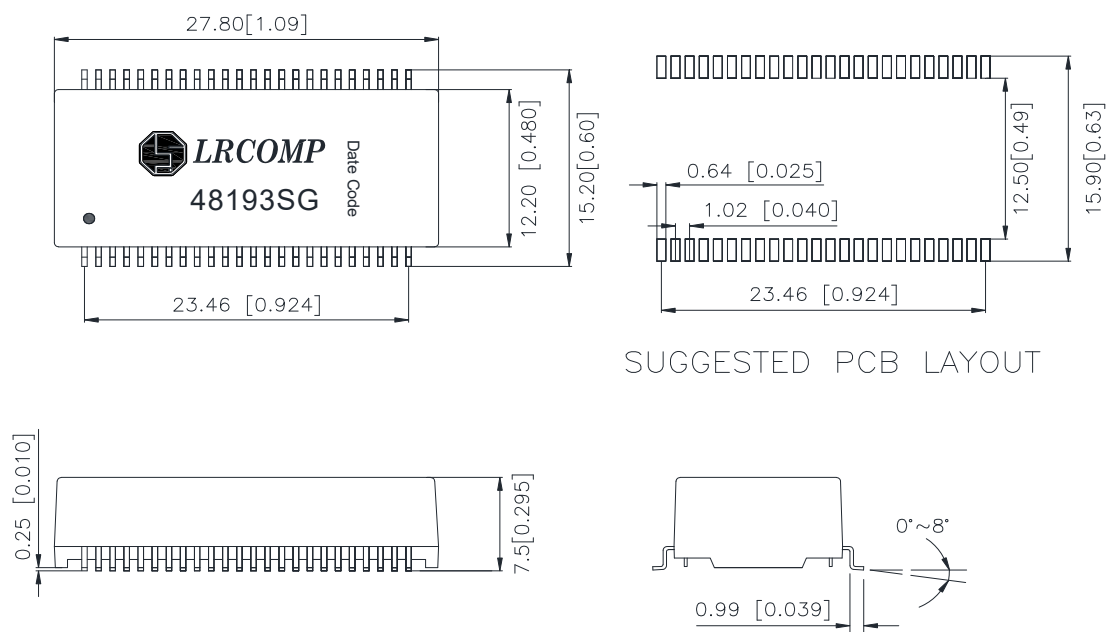
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max)	DCMR (dB Min)	HI-POT (Vrms)
	TX	RX		1-100MHz	1-100MHz	
48193SG	1CT:1CT	1CT:1CT	350	-1.0	-30	1500

Continue

Part Number	Return Loss (dB Min)					Cross Talk (dB Min)		
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
48193SG	-18	-14.4	-13.1	-12	-10	-40	-35	-30

Schematics:



Dimension: mm[Inch]±0.25[0.010]

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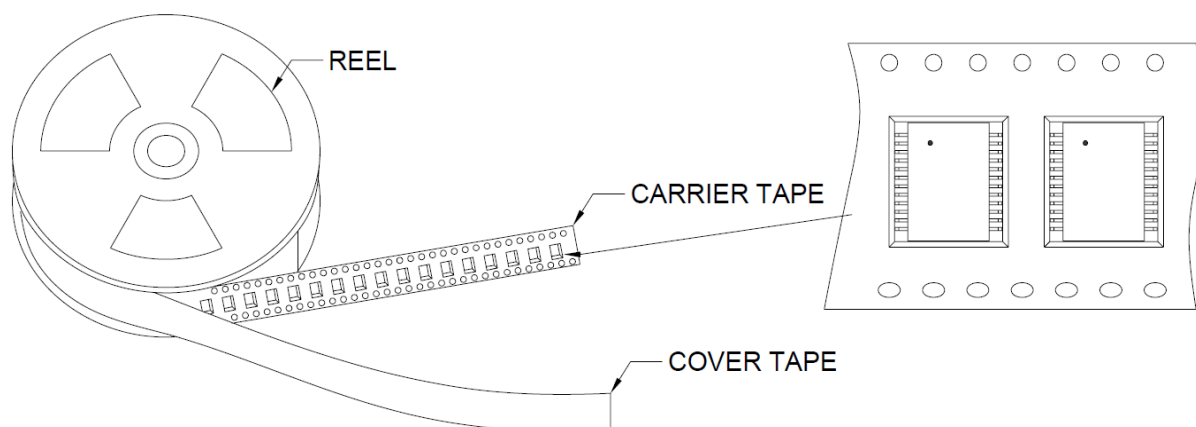
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Schematics:

TCT1 1		48 MCT1	TCT5 13		36 MCT5
TD1+ 2		47 MX1+	TD5+ 14		35 MX5+
TD1- 3		46 MX1-	TD5- 15		34 MX5-
TCT2 4		45 MCT2	TCT6 16		33 MCT6
TD2+ 5		44 MX2+	TD6+ 17		32 MX6+
TD2- 6		43 MX2-	TD6- 18		31 MX6-
TCT3 7		42 MCT3	TCT7 19		30 MCT7
TD3+ 8		41 MX3+	TD7+ 20		29 MX7+
TD3- 9		40 MX3-	TD7- 21		28 MX7-
TCT4 10		39 MCT4	TCT8 22		27 MCT8
TD4+ 11		38 MX4+	TD8+ 23		26 MX8+
TD4- 12		37 MX4-	TD8- 24		25 MX8-

Package:



Quantity per reel: 350 pcs

Quantity per big carton: 1400 pcs