



LAN-100 SERIES

10/100 Base - T Magnetics Module

FEATURES

- IEEE 802.3 ,ANSI X3.263
- SMT & Thru Hole available
- Miniature size

OPTIONS

- Tape & Reel is Standard
- Custom design available

APPLICATIONS

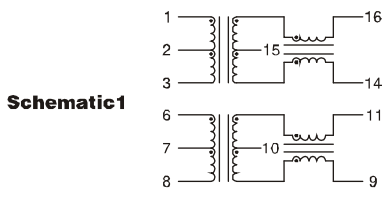
- 10/100 Base - T Single Port

Part Number	Turns Ratio ±2%		Insertion Loss 1-100MHz (dB Max)	Cross Talk 0.1-100MHz (dB Min)	CMR 0.1-100MHz (dB Min)	Return Loss (dB Max)			SCH	Package
	TX	RX				30 MHz	50 MHz	80 MHz		
LAN-101	1CT:1CT	1CT:1CT	1.1	35	30	18	15	13	1	A
LAN-102	1CT:1CT	1CT:1CT	1.1	35	30	18	15	13	2	A
LAN-103	2CT:1CT	1CT:1CT	1.1	35	30	18	13	13	1	A
LAN-104	1.41CT:1CT	1CT:1CT	1.1	35	30	18	13	13	1	A
LAN-121	1CT:1CT	1CT:1CT	1.2	38	42	18	13	12	3	B
LAN-122	1CT:1CT	1CT:1CT	1.2	38	38	16	13	12	4	B
LAN-123	2CT:1CT	1CT:1CT	1.2	38	35	16	13	12	4	B
LAN-124	1CT:1.41CT	1CT:1CT	1.2	38	42	16	13	12	3	B
LAN-125	1CT:1.41CT	1CT:1CT	1.2	38	38	16	13	12	4	B

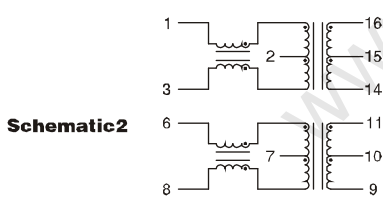
- Primary OCL Tx & Rx: 350µH min. @ IDC 8mA
- Hipot : 1500 VRMS

- Primary OCL Tx & Rx: 350 µ H Min @ Idc=8mA
- Hipot : 1500 VRMS

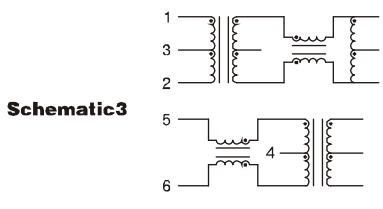
Dimension: Inch/mm



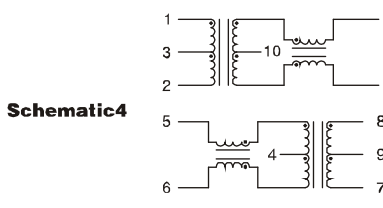
Schematic 1



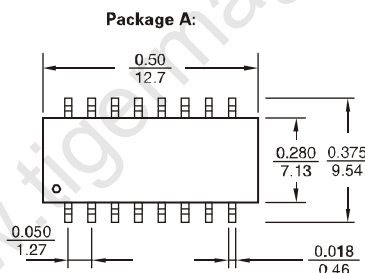
Schematic 2



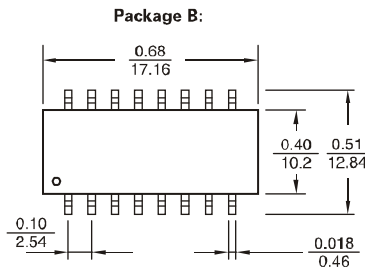
Schematic 3



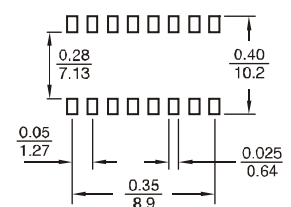
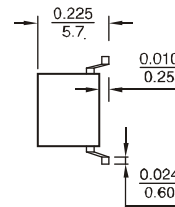
Schematic 4



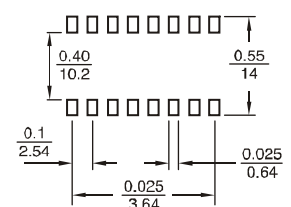
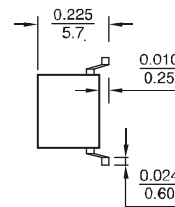
Package A:



Package B:



Recommended Pad Layout



Recommended Pad Layout

- Soldering methods: Wave, Reflow
- Operating Temperature: 0°C to 70°C
- Storage Temperature: -55°C to 125°C