

10/100 Base – T Magnetics Modules

LAN – 100SERIES

FEATURES:

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

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

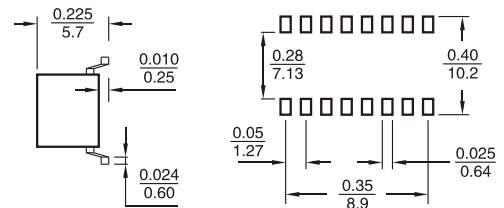
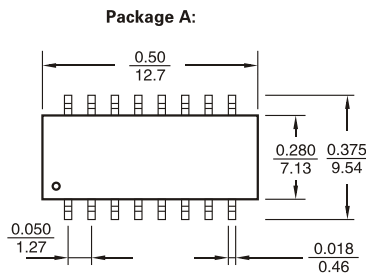
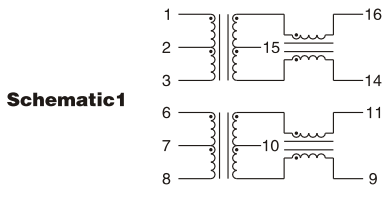
- 10/100 Base – T Single Port

STANDARD SPECIFICATIONS

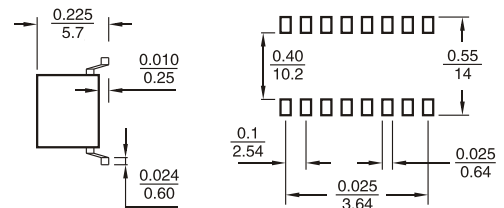
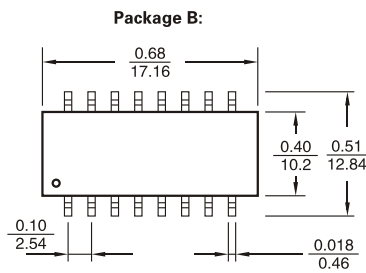
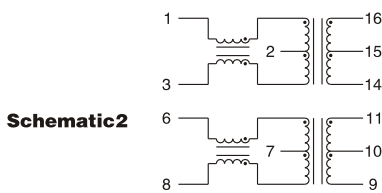
Part Number	Turns Ratio $\pm 2\%$		Insertion Loss 1–100MHz (dB Max)	Cross Talk 0.1–100MHz (dB Min)	CMR 0.1–100MHz (dB Min)	Return Loss (dB Max)			SCH	Package
	Tx	RX				30MHz	50MHz	80MHz		
LAN-101	1CT : 1CT	1CT : 1CT	1.1	35	30	18	15	13	1	A
LAN-102	1CT : 1CT	1CT : 1CT	1.1	35	30	18	15	13	2	A
LAN-103	2CT : 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: 350 μ H Min @ I_{dc}=8mA
- Hipot : 1500 VRMS

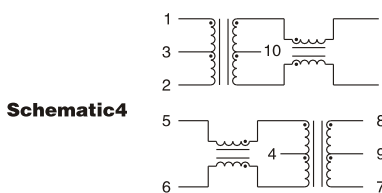
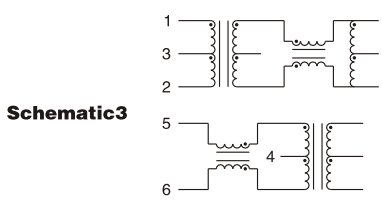
Dimension: Inch/mm



Recommended Pad Layout



Recommended Pad Layout



TECHNICAL INFORMATION:

- Soldering methods: Wave, Reflow
 - Operating Temperature: 0°C to 70°C
 - Storage Temperature: -55°C to 125°C
- Note: All specifications subject to change without notice.