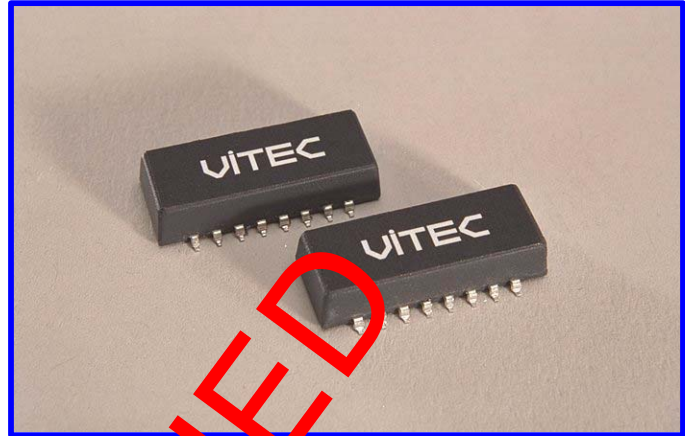


# TYPE 34Z - LOW PROFILE SMD TRANSFORMER MODULES

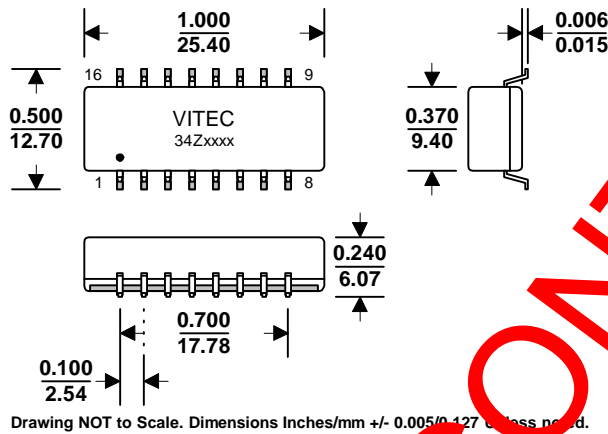
## High Speed LAN

### FEATURES

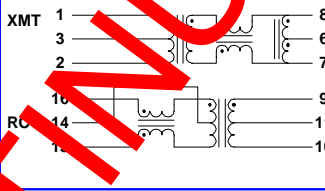
- Designed for 10/100, 100 and 155 Mbps transmission over UTP and STP cable.
- Meet IEEE 802.3u and ANSI x3.236-1995 Std.
- Surface mount package for pick and place.
- Special configuration available for most IC manufacturers.
- Rise time: 2.50 nS TYP
- Cross talk: -38dB MIN (0-1-100MHz)
- Dielectric test voltage: 1500 Vrms MIN
- 350 uH @ 8 mA DC, 0-70°C.



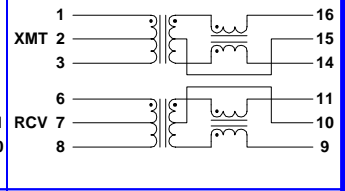
### PACKAGE



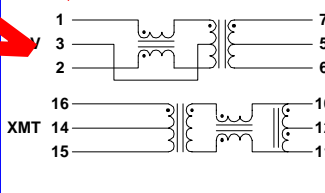
### SCHEMATIC A



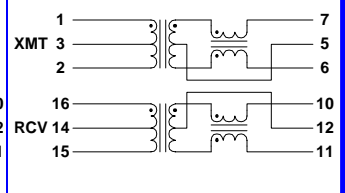
### SCHEMATIC C



### SCHEMATIC B



### SCHEMATIC D



### ELECTRICAL CHARACTERISTICS @ 25°C

Part Number	Turns Ratio		LP	LL	Cc	DCR	CMR	Insert. Loss	Return Loss			Schem.
	XMT	RCV	uH	uH	pF	Ohm	dB	dB	0.5-40MHz	50MHz	60-80MHz	
			MIN	MAX	MAX	TYP	MAX					
34Z2253	1CT:1CT	1CT:1CT	400	0.40	20	0.90	-40	-1.10	-15.50	-13.60	-12.00	B
34Z2254	1CT:1CT	1CT:1CT	400	0.40	15	0.90	-40	-1.10	-15.50	-13.60	-12.00	A
34Z2256	1.25CT:1CT	1CT:1CT	400	0.35	20	0.90	-40	--	--	--	--	C
34Z2257	1.41CT:1CT	1CT:1CT	400	0.40	20	0.90	-40	--	--	--	--	C
34Z2258	1.41CT:1CT	1CT:1CT	400	0.40	20	0.90	-40	--	--	--	--	D