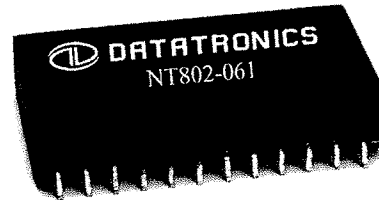


NT802-061 Token Ring Interface Module

Features

- Designed to meet IEEE 802.5 Specification
- Integrates both transmit and receive channels with phantom outputs into one module
- Supports both STP and UTP transmission
- Industrial standard SMD package
- Designed to withstand infrared soldering
- Supports Texas Instrument TMS38054™ and most front end semiconductors for Token Ring



Electrical Specifications @25°C

Insertion loss															
(dB Max)								(dB Min)							
1MHz		4MHz		16MHz		24MHz		32MHz		36MHz		44MHz		80MHz	
TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	TX	RX
0.5	0.5	0.6	0.5	1.2	0.9	2.5	1.5	7.0	-----	15.0	1.5	30.0	5.5	25.0	18.0

Return Loss (dB Min)						Common to Common Mode Rejection (dB Min)								Isolation (Vrms)
1-6MHz		6-17MHz		17-24MHz		1MHz		10MHz		100MHz		200MHz		TX / RX
TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	
15	15	13	-----	9	10	60	35	50	25	25	20	20	15	500

Common to Differential Mode Rejection (dB Min)								Crosstalk (dB Min)			
1MHz		10MHz		30MHz		100MHz		1MHz	10MHz	16MHz	25MHz
TX	RX	TX	RX	TX	RX	TX	RX	TX<=>RX	TX<=>RX	TX<=>RX	TX<=>RX
45	45	40	40	35	30	30	20	60	45	40	38

Mechanical Outline

Note: 1. All Dimensions are specified in $\frac{\text{Inches}}{\text{mm}}$
 2. Unless Otherwise specified, all tolerances are $\pm \frac{.010}{.254}$

Block Diagram