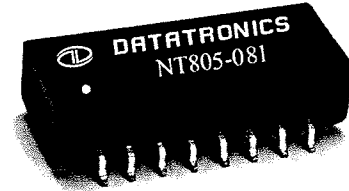


NT805-081 High Speed LAN Magnetics Module

Features

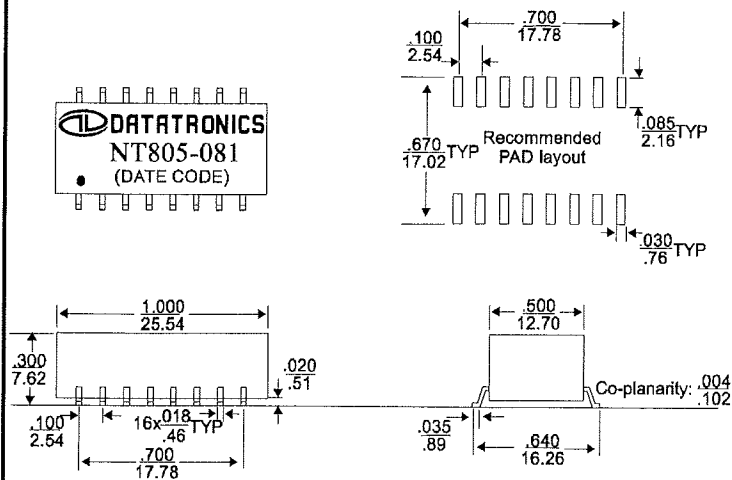
- Designed for 100MB/s and 155MB/s transmission over UTP-5 and STP cable
- Designed for ATM, 100Base-TX and TP-FDDI applications
- Integrated module for multiport concentrators and adaptor card applications
- Low common mode emissions
- Transfer molded SMD package
- Pick and place compatible
- Designed to withstand IR reflow soldering
- Supports NSC DP83223™ and most 100Base-TX transceiver chips



Electrical Specifications @25°C

Insertion loss (dB Max)	Rise Time (ns Typ)	Return loss (dB Typ)				Differential to Common Mode Rejection (dB Min)				Crosstalk (dB Min)		Isolation (Vrms)
		.1 - 60MHz		60 - 100MHz		.1 - 60MHz		60 - 100MHz		.1 - 60MHz	60 - 100MHz	
TX / RX	TX / RX	TX	RX	TX	RX	TX	RX	TX	RX	TX <=> RX	TX <=> RX	TX / RX
1.1	2.5	15	17	11	15	45	40	40	35	40	38	1500

Mechanical Outline



Note: 1. All dimensions are specified in $\frac{\text{Inches}}{\text{mm}}$
 2. Unless other specified, all tolerance are $\pm \frac{.010}{.254}$

Schematic

