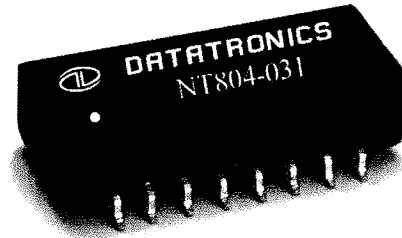


### NT804-031 High Speed LAN Filter module

#### Features

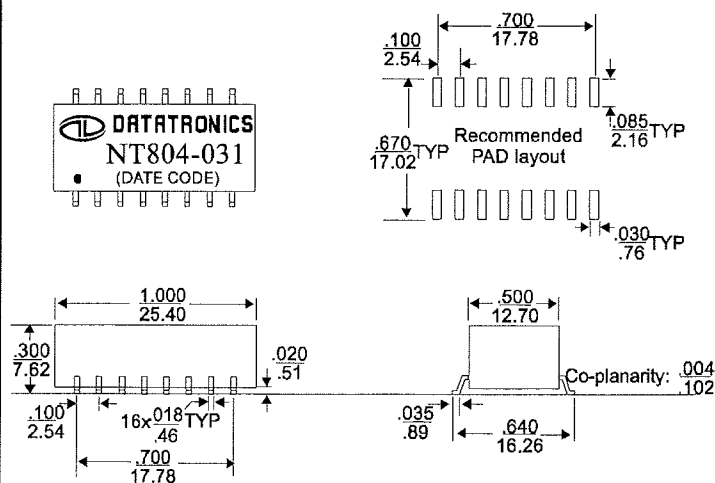
- Designed for 100MB/s transmission over UTP-5 cable
- Designed for 100Base-TX and TP-FDDI applications
- Low common mode emissions
- 1500Vrms isolation
- Industrial standard SMD package
- Pick and place compatible
- Designed to withstand IR reflow soldering
- Supports NSC DP83223™, Micro Linear ML6671™ 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
1.0	3.0	17	15	15	12	40	40	30	30	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

