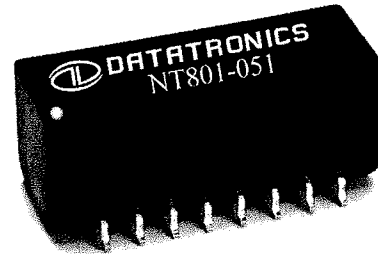


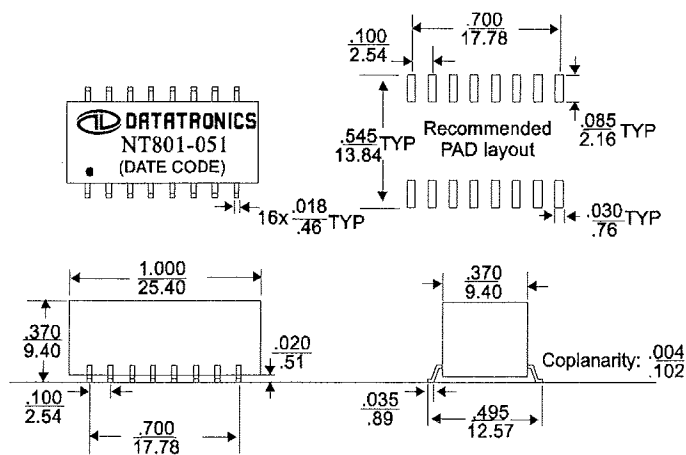
**NT801-051 10Base-T Filter Module**
**Features**

- Designed to meet IEEE 802.3 10Base-T Specification
- Designed for 10Base-T adapter, hub and mother board applications
- Separated chokes for optimum common-mode emission suppression
- Low crosstalk noise
- 2000Vrms isolation
- Industrial standard SMD package
- Supports most 10Base-T transceiver and multiport repeater chips


**Electrical Specifications @25°C**

Insertion loss (dB Max)		Cut-Off Frequency (MHz)		Attenuation (dB Min)							
1-10MHz		TX	RX	20MHz		25MHz		30MHz		40MHz	
TX	RX			TX	RX	TX	RX	TX	RX	TX	RX
1.0	1.0	17 ± 1	17 ± 1	7	6	20	14	32	20	35	31

Return Loss (w/ 100Ω) (dB Min)		Return Loss (w/ 98±13Ω) (dB Min)		Common Mode Rejection Ratio (dB Min)						Crosstalk (dB Min)	Isolation (Vrms)
5-10MHz		5-10MHz		10MHz		30MHz		100MHz		1-10MHz	TX / RX
TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	TX ↔ RX	
18	18	15	15	40	40	35	35	30	30	35	2000

**Mechanical Outline**


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

**Schematic**
