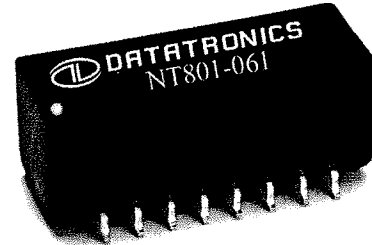


NT801-061
10Base-T Filter Module
Features

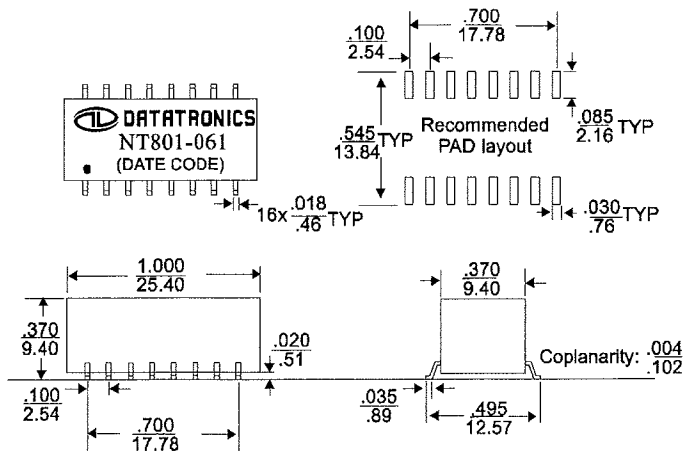
- Designed to meet IEEE 802.3 10Base-T Specification
- Designed for 10Base-T adapter, hub and mother board applications
- Pre-distortion resistors are included
- Low common-mode and crosstalk noise
- Industrial standard SMD package
- Supports most 10Base-T transceiver and multiport repeater chips


Electrical Specifications @ 25°C

Insertion loss (dB Max)		Cut-Off Frequency (MHz)		Attenuation (dB Min)							
1-10MHz		TX	RX	20MHz		25MHz		30MHz		40MHz	
TX ^(a)	RX			TX	RX	TX	RX	TX	RX	TX	RX
3.0 - 5.0	1.0	17 ± 1	17 ± 1	7	5	18	11	30	16	33	26

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

Note: (a) Test includes pre-distortion resistors. Filter alone is 1.0 dB max.

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
