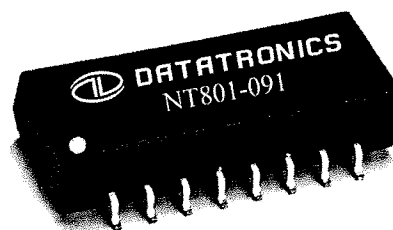


NT801-091
10Base-T Filter Module
Features

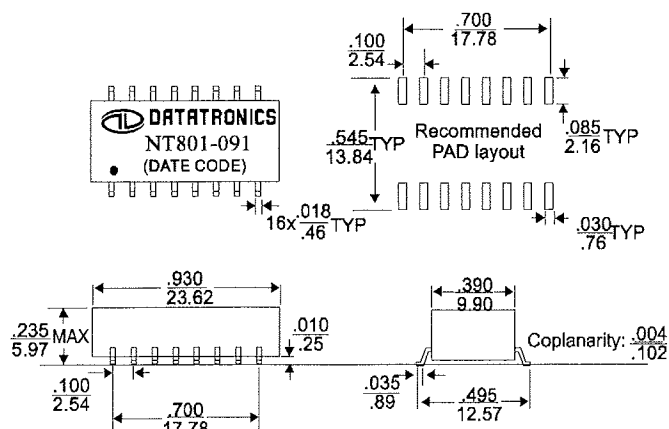
- Designed to meet IEEE 802.3 10Base-T specification
- Integrated module for multiport concentrators and adapter card applications
- Low common mode emissions
- 1500Vrms isolation
- Transfer molded SMD package
- Pick and place compatible
- Designed to withstand IR reflow soldering
- Supports NSC DP83934™ and most front end semiconductors for 10Base-T Ethernet


Electrical Specifications @25°C

Insertion ^(a) loss (dB Max)		Attenuation (dB Min)						Return loss (dB Min)	
1-10MHz		30MHz		50MHz		100MHz		5-10MHz	
TX	RX	TX	RX	TX	RX	TX	RX	TX	RX
6.5	4.5	35	20	35	35	35	35	18	18

Common Mode Rejection Ratio (dB Min)					Crosstalk (dB Min)					Isolation (Vrms)
5MHz	10MHz	50MHz	100MHz	200MHz	5MHz	10MHz	30MHz	50MHz	100MHz	
30	30	45	45	40	35	35	25	25	20	1500

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
