

<p>NT801-164 10Base-T Filter Module</p> <p>Features</p> <ul style="list-style-type: none"> Designed to meet IEEE 802.3 10Base-T Specification Incorporated with pre-distortion/matching resistors Low common mode and crosstalk noise 1500Vrms isolation SMD package ideal for PCMCIA type I or type II applications Designed to withstand IR reflow soldering Supports most 10Base-T transceiver chips 	
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Electrical Specifications @25°C

Insertion loss ^(a) (dB Max)		Attenuation (dB Min)						Return loss (dB Min)		Isolation (Vrms)
1-10MHz		30MHz		50MHz		100MHz		5-10MHz		TX / RX
TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	
5.0	5.0	30	15	30	25	35	25	18	16	1500

Common Mode Rejection Ratio (dB Min)								Crosstalk (dB Min)	
10MHz		50MHz		100MHz		200MHz		5-10MHz	
TX	RX	TX	RX	TX	RX	TX	RX	TX <=> RX	
55	45	40	30	35	30	30	25	50	

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

<p style="text-align: center;">Mechanical Outline</p> <p style="text-align: center;">Note: 1. All dimensions are specified in Inches mm 2. Unless other specified, all tolerance are + .010 - .254</p>	<p style="text-align: center;">Schematic</p>
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