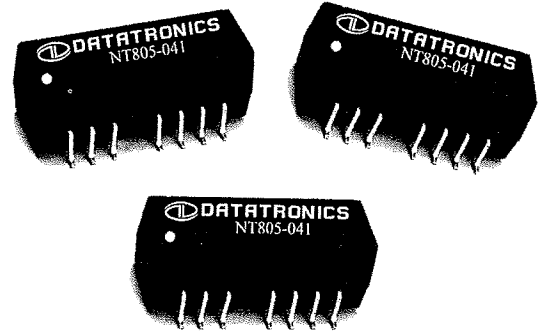


NT805-041 10/100 Mbps Magnetics Module

Features

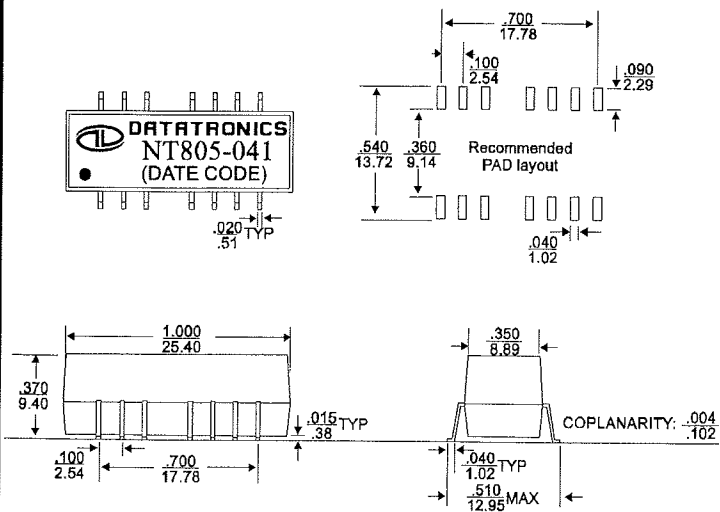
- Designed for 10/100 Mbps transmission over UTP-5 cable
- Excellent Common Mode Emission Suppression
- 1500Vrms isolation
- Transfer molded SMD package
- Pick and place compatible
- Designed to withstand IR reflow soldering
- Low common mode emissions
- Supports NSC DP83223™, DP83840™ and most 10Base-T/100Base-TX 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
1.1	2.5	15	17	11	15	45	40	40	35	40	38	1500

Mechanical Outline



Note: 1. All dimensions are specified in inches
mm
2. Unless otherwise specified, tolerances are $\pm .010$
 $\pm .254$

Schematic

