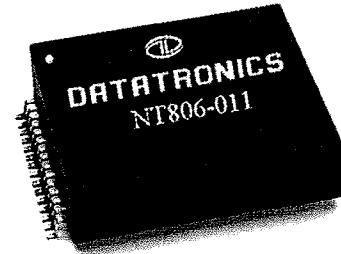


NT806-011 100Base-T4 Filter Module

Features

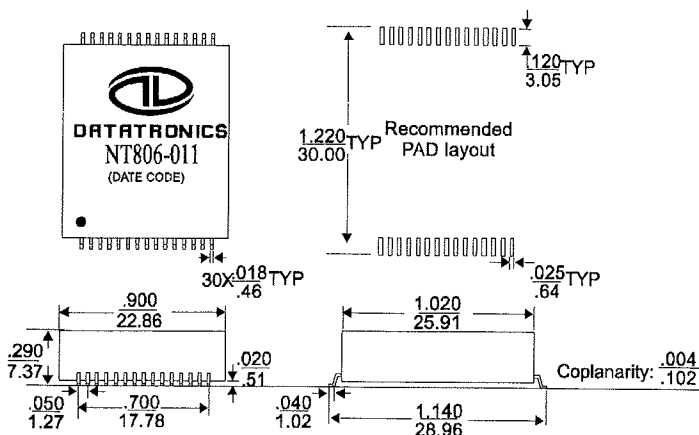
- Designed for 100MB/s transmission over UTP category 3 cable
- Designed for use with new 100Base-T4 application
- 2000Vrms isolation
- Integrated magnetic module for one cable port
- Compact SMD package
- Pick and place compatible
- Supports BroadCom BCM5000™, Intel PHY100™ and other 100Base-T4 transceiver chips



Electrical Specifications @25°C

Insertion loss (dB Max)	Cut-Off Frequency (MHz Typ)	Attenuation (dB Min)		Return loss (dB Min)	Common Mode Rejection Ratio (dB Min)		Crosstalk (dB Min)	Group Delay (ns Max)	Isolation (Vrms)
		30MHz	40MHz		1 - 30MHz	30-100MHz			
2 - 12.5MHz		30MHz	40MHz	2 - 12.5MHz	1 - 30MHz	30-100MHz	2 - 12.5MHz		
1.5	20.2 ± 1.5	30	35	18	30	20	40	50	2000

Mechanical Outline



Note: 1. All Dimensions are specified in $\frac{\text{Inches}}{\text{mm}}$
 2. Unless Otherwise specified, all tolerances are $\pm \frac{.010}{.254}$

Schematic

