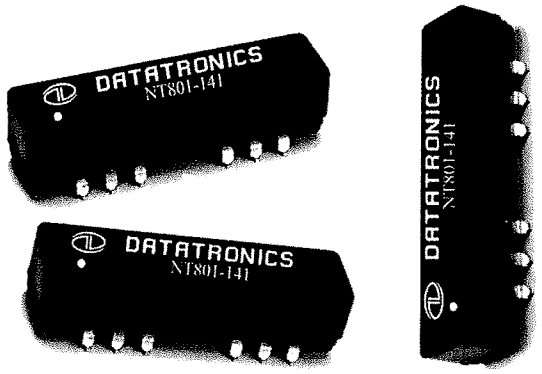
DATATRONICS

NT801-141

NT801-141 **10Base-T Filter Module**

Features

- Designed to meet IEEE 802.3 10Base-T Specification
- Designed for use with most 10Base-T transceiver chips
- Low common mode noise and crosstalk
- 2000Vrms isolation
- Compact SMD package

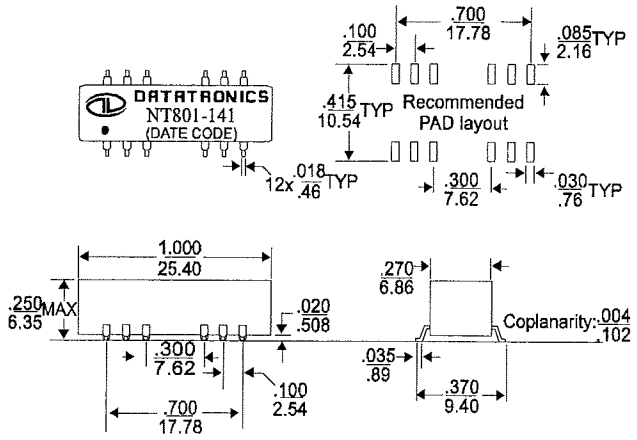


Electrical Specifications @25°C

Insertion loss (dB Max)		Cut-Off frequency (MHz)		Attenuation (dB Min)							
1-10MHz				20MHz		25MHz		30MHz		40MHz	
TX	RX	TX	RX	TX	RX	TX	RX	TX	RX	TX	RX
1.0	1.0	17 ± 1	17 ± 1	7	6	20	14	32	20	35	31

Return loss (100Ω) (dB Min)		Return (98 ± 15Ω) (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

Mechanical Outline



Note: 1. All dimensions are specified in Inches / mm

2. Unless other specified, all tolerance are ± .010 / .254

Schematic

