



## NT74804 10 Base-T LAN Modules with CMC

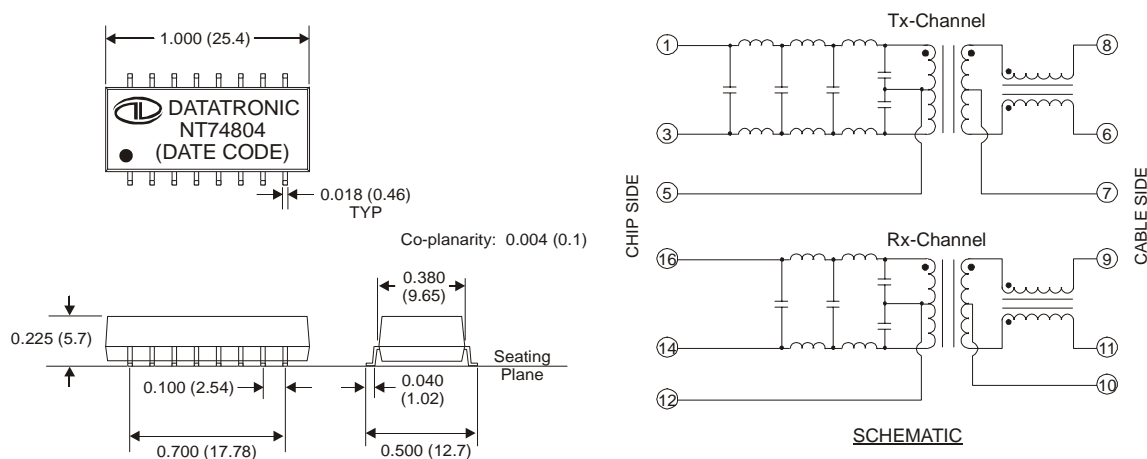
### Features

- Designed to meet 802.3 10 Base-T Specification
- Compact SMD package
- Tape & Reel Available

### Electrical Specifications at 25°C

Parameter	Specification	Measured Pins	Test Condition
Turns Ratio	1CT : 1CT ±5%	(1-5-3) : (8-7-6)	HP4284A
	1CT : 1CT ±5%	(16-12-14) : (9-10-11)	HP4284A
Insertion Loss	1.0 dB MAX	Tx-Channel & Rx-Channel	HP8751A @ 1-10 MHz
Cut off Freq	17 MHz typ.	Tx-Channel & Rx-Channel	HP8751A @ 3 dB
Attenuation	30 dB MIN	Tx-Channel	HP8751A @ 30 MHz
	35 dB MIN	Tx-Channel	HP8751A @ 50 MHz
	35 dB MIN	Tx-Channel	HP8751A @ 100 MHz
	25 dB MIN	Rx-Channel	HP8751A @ 30 MHz
	30 dB MIN	Rx-Channel	HP8751A @ 50 MHz
Return Loss @ 100 Ω Load	30 dB MIN	Rx-Channel	HP8751A @ 100 MHz
	18 dB MIN	Tx-Channel	HP8751A @ 5-10 MHz, 100 Ω
Return Loss @ 98 ±13 Ω load	18 dB MIN	Rx-Channel	HP8751A @ 5-10 MHz, 100 Ω
	15 dB MIN	Tx-Channel	HP8751A @ 5-10 MHz, 98 ± 13 Ω
CMRR	15 dB MIN	Rx-Channel	HP8751A @ 5-10 MHz, 98 ± 13 Ω
	60 dB MIN	Tx-Channel & Rx-Channel	HP8751A @ 5-10 MHz
	55 dB MIN	Tx-Channel & Rx-Channel	HP8751A @ 50 MHz
	50 dB MIN	Tx-Channel & Rx-Channel	HP8751A @ 100 MHz
Cross Talk	45 dB MIN	Tx-Channel & Rx-Channel	HP8751A @ 200 MHz
	35 dB MIN	Tx-Channel to Rx-Channel	HP8751A @ 5-10 MHz
HI-POT	1500 VAC	Chip side TO Cable side	HI-POT TESTER

### Mechanical Outlines



All dimensions are specified in inches (mm)  
 Unless otherwise specified, tolerances are +/- 0.010 (0.25)  
 Dimensions are exclusive of solder