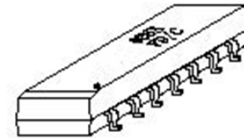


LAN

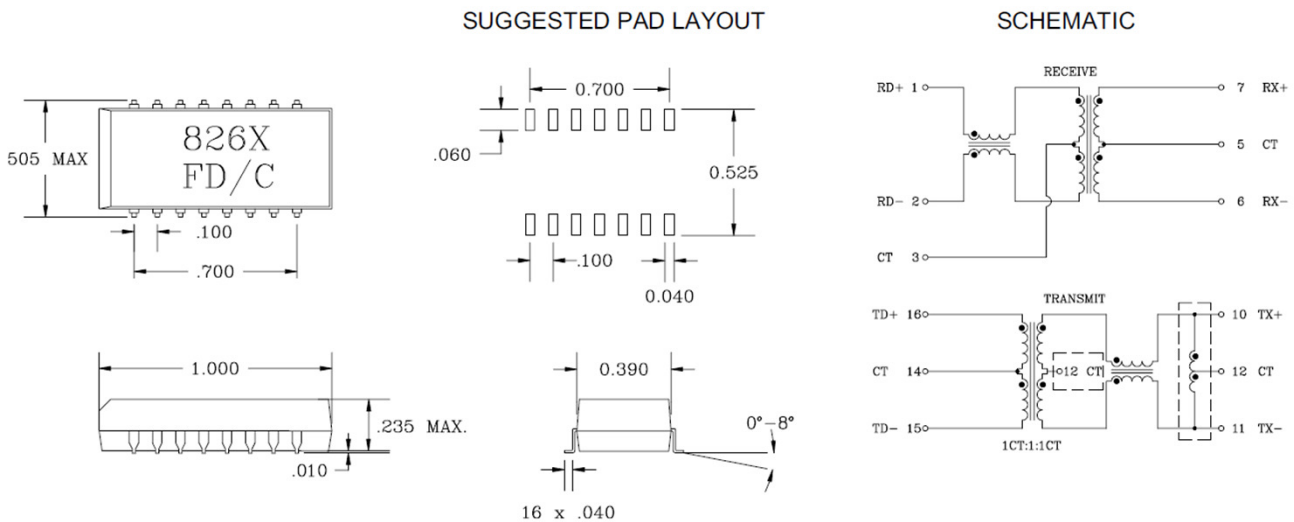
10/100 Base-T Single Port Transformer Module

8261- 8263

- Provides excellent EMI filtering
- Designed for use with data grade unshielded twisted pair cable (UTP-5)
- Suitable for adapter card cable and multiport applications
- Meets IEEE 802.3 and ANSI X3.263 standards, including 350μH OCL with 8mADC bias



MECHANICAL AND SCHEMATIC (All dimensions in inches)



Center-tapped inductor not included in 8261, so pin 12 connects to the transformer center tap.

ELECTRICAL SPECIFICATION @ 25°C

Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100Ω)					Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB TYP)			Hipot (Vrms MIN)
		0.1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
8261	-1.0	-22	-20	-18	-12	-42	-38	-32	-50	-40	-40	1500	
8262 ¹	-1.0	-22	-20	-18	-12	-45	-40	-35	-50	-40	-40	1500	
8263	-1.0	-20	-20	-18	-14	-42	-36	-33	-50	-40	-40	1500	

1. Rise time optimized for National's DP83843.