

# 10/100BASE-TX SINGLE PORT SURFACE MOUNT MAGNETICS

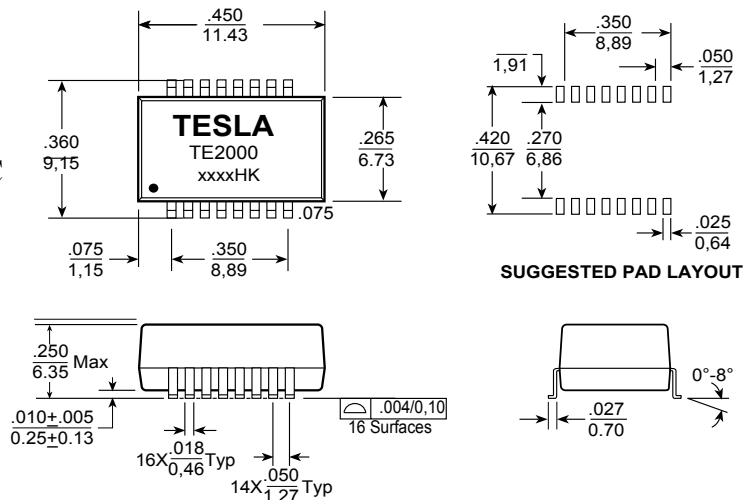
## TE2000



### Features:

- IC grade transfer-molded package withstands 235°C peak temperature profile.
- Compliant with IEEE 802.3u and ANSI X3.263 standards including 350  $\mu$ H OCL with 8mA DC bias from 0°C to 70°C.
- UL 94V0 material.

### Mechanical



### Electrical Specifications @25°C:

1. Insertion loss:  
 @0.1~100MHz: -1.1dB Max
2. Return loss:  
 @30MHz: -18dB Min  
 @60MHz: -14dB Min  
 @80MHz: -11.5dB Min
3. Cross Talk:  
 @30MHz: -45dB Min  
 @60MHz: -40dB Min  
 @100MHz: -35dB Min
4. Differential to Common Mode Rejection:  
 @30MHz: -42dB Min  
 @50MHz: -37dB Min  
 @100MHz: -33dB Min
5. Turn Ratio:  
 @50KHz 0.5V: 1CT:1CT $\pm$ 2%
6. Inductance:  
 @100KHz, 0.1VDC, 8mA: 350uH Min
7. Hi-Pot: 1500VAC, 0.5mA, 1sec

### Schematic

