

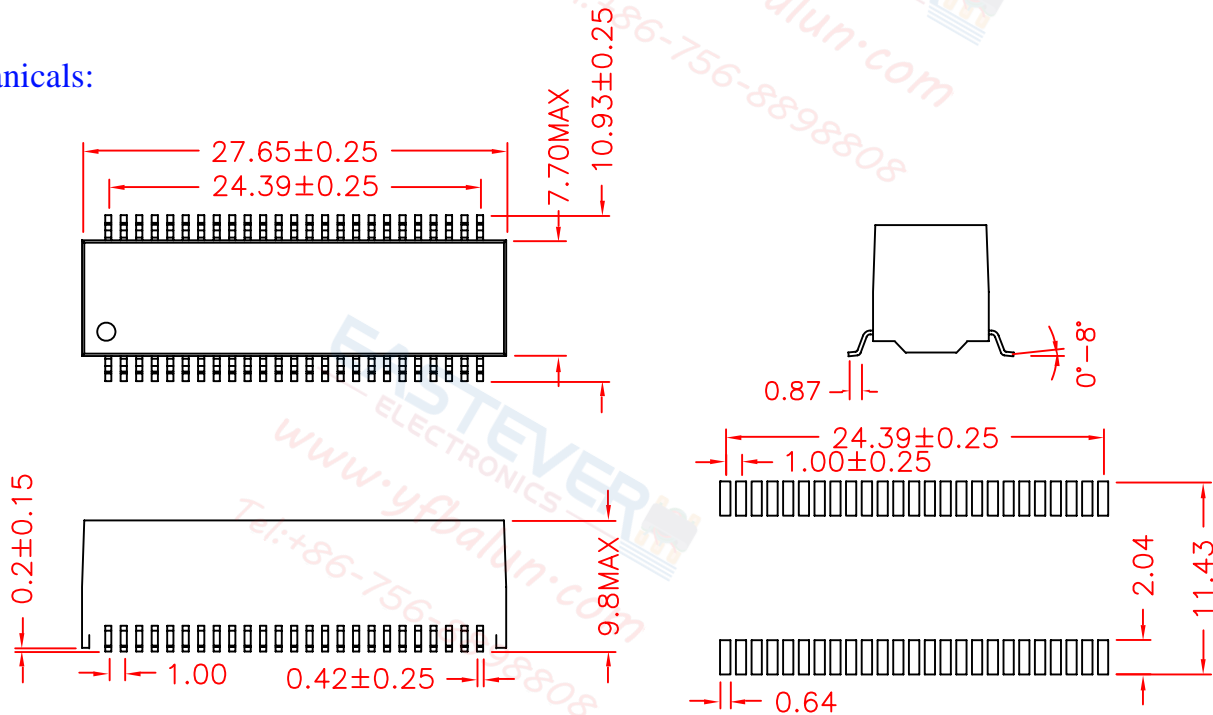
1000BASE-T Dual Ports Magnetics Modules



Electrical Specifications: @25°C

Turns Ratio: PRI/SEC TX 1CT: 1CT ±3% RX 1CT: 1CT ± 3%
 Isolation Voltage: 1500 Vrms (Input to Output)
 OCL: 350uH Minimum @100KHz 100mV 8mADC
 Leakage Inductance: 0.4uH Maximum @100KHz 100mv PRI Shorted
 PRI/SEC Cw/w: 20pF Typical @100KHZ 100mV
 Insertion Loss: -1.2dB Maximum @100KHz -100MHz
 -2.0db Maximum @ 125MHz
 Return Loss: -18db Min @1MHz-30MHz/-12dB Min @60MHz
 -12dB Min @80MHz/-10dB Min @100MHz
 Cross Talk: -43dB Minimum @30MHz/-37dB Minimum @60MHz
 -33db Minimum @100MHz
 Rise Time: 2.5ns Typical

Mechanicals:



SUGGESTED PCB PAD LAYOUT

Schematics:

