

### 1000BASE-TX MAGNETICS MODULES



#### Features:

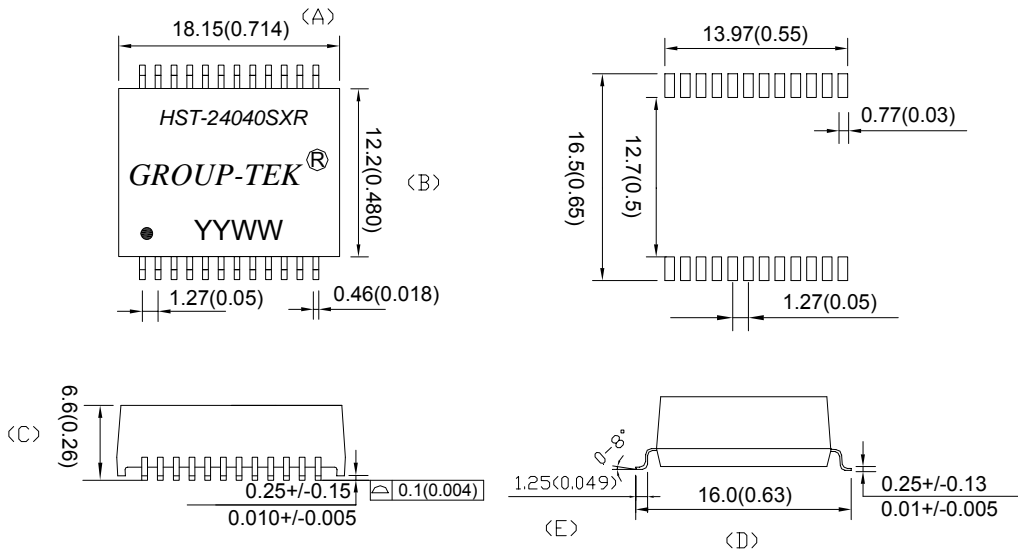
- Compliant with IEEE 802.3at standard for 1000Base-T.
- Primary including 350/120uH Min with 20/30mADC bias.
- Capacitance between winding: 35pF Max at 0.1MHz, 1V.
- Leakage inductance 0.3uH Max at 0.1MHz, 0.1V.
- Support POE+ and Auto MDIX in 1 pairs of category 5 UTP cable
- Designed for reflow soldering at temperatures up to 260°C.
- Storage temperature -25°C to +125°C.
- RoHS compliance.

Electrical Specification@25°C											Operating Temperature -40°C to +85°C	
Part NO	Insertion Loss (dB MAX) MHz				Return Loss (dB MIN @ 100Ω) MHz					DC CURRENT RATING		
	0.1	30-60	100	125	1-30	40	50	60-80	100			
HST-24040SXR	-1.2	-1.0	-1.4	-2.0	-18	-18	-16	-12	-10	1000mA Max		

Part NO	Common Mode Rejection Ratio (dB MIN) MHz				Crosstalk (dB MIN) MHz				DCR (Ω Max)	DCR Balance (Ω)	Hipot (Vrms MIN)
	1	30-60	100	200	1	30	60	100			
HST-24040SXR	-55	-35	-30	-25	-50	-43	-37	-33	1.0	±0.05	1500VAC/1mA/60S

**Dimension:**mm(inch)Unless otherwise specified , all tolerance are +/-0.25(0.01)



#### Schematic:

