

1000BASE-TX MAGNETICS MODULES

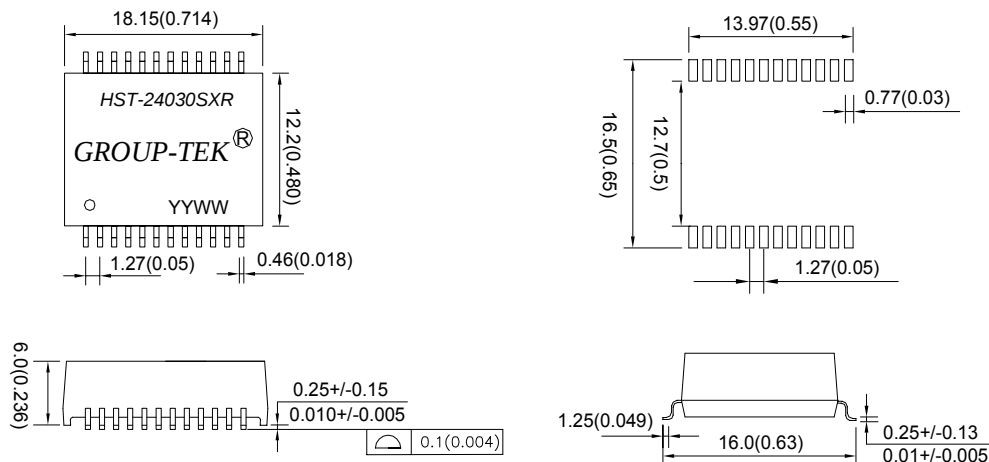
Features:



- Compliant with IEEE 802.3at standard for 1000Base-T.
- Suitable for PoE+ applications(700mA@57V continuous).
- Primary inducting 350uH Min with 15mA DC bias.
- Capacitance between winding: 35pF Max at 0.1MHz, 1V.
- Leakage inductance 0.5uH 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/VOLTAGE RATING - PSE PINS		
	0.1	30-100	125	1-30	40	50	60-80	100			
HST-24030SXR	-1.1	-1.0	-2.0	-18	-16	-16	-12	-10	700mA @57V (CONTINUOUS)		
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-24030SXR	-45	-35	-30	-25	-50	-43	-37	-33	0.65	±0.05	1500VAC/1mA/60S

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



Schematic:

