

1000BASE-TX MAGNETICS MODULES

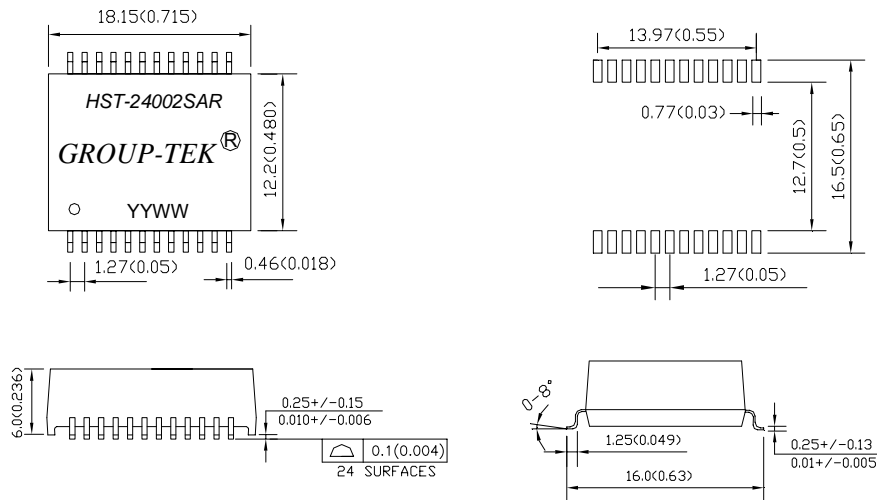
Features:



- Compliant with IEEE 802.3ab standard for 1000Base-T.
- Non-PoE Product.
- Support Auto MDIX in 1 pairs of category 5 UTP cable
- Primary inductance(Lp)350uH min.@100KHz,0.1Vrms,DC 8mA
- Capacitance between windings (Cww)30pF Max(at 100kHz, 0.1V).
- Leakage Inductance (LL) 0.6uH Max (at 100kHz, 0.1V).
- DCR Pri 0.9Ω Max Sec 1.2Ω Max.
- Balance Inductance (BL) 1.0uH Max (at 100kHz, 0.1V).
- Designed for reflow soldering at temperature 260°C Max.
- RoHS compliance.

Electrical Specification @25°C Operating Temperature 0 to +70°C													
Part NO	Insertion Loss (dB MAX) MHz	Return Loss (dB MIN @ 100Q) MHz					Differential to Common Mode Rejection (dB MIN) MHz			Crosstalk (dB MIN) MHz			Hipot (Vrms MIN)
		1-100 MHz	30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	
HST-24002SAR	-1.1	-18	-14.4	-13.1	-12	-10	-43	-37	-33	-45	-35	-30	1500VAC/1mA/60S

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



Schematic:

