

### 1000 BASE-T TRANSFORMER

#### Features:

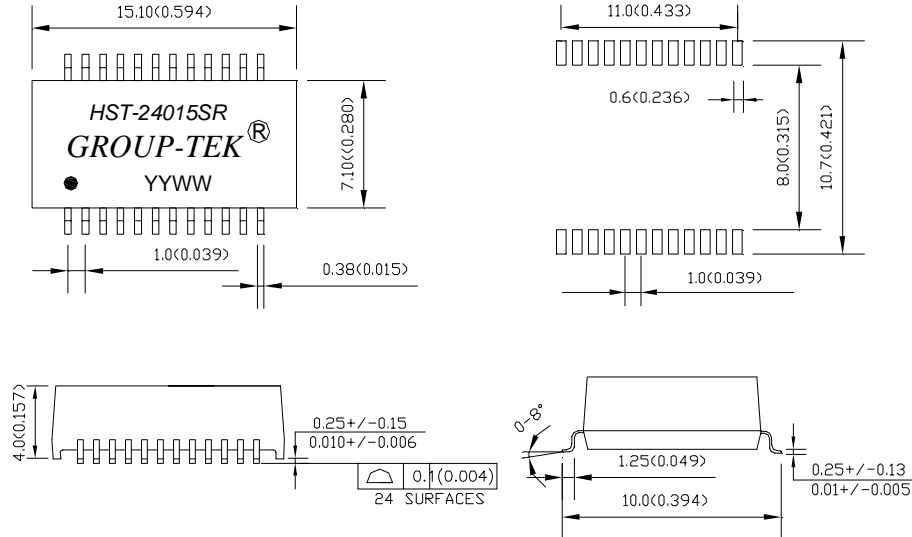


- Designed for long haul gigabit Ethernet 1000BASE -T.full duplex applications
- Primary inductance(Lp)350uH min.@ 100KHz,0.1Vrms,8mA .
- Supports 4 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3ab standard for 1000 BASE-T
- Designed for reflow soldering at temperatures up to 260°C .
- Storage Temperature -25°C to +125°C.
- RoHS compliance

#### Specifications: at 25 degree C., Operating Temperature 0°C to +70°C

Part NO	Turns Ratio		Insertion loss (dB max)	Return loss (dB typ.) MHz					Differential to Common Mode Rejection (dB typ)			Crosstalk (dB typ)			Hipot (Vrms min)
	TX	RX		1MHz-100MHz	1-30MHz	40M	50M	60-80M	100M	30MHz	60MHz	100MHz	30MHz	60MHz	
HST-24015SR	1:1	1:1	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-45	-40	-35	1500VAC/1mA/60

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



#### Schematic:

