

1000 BASE-T TRANSFORMER



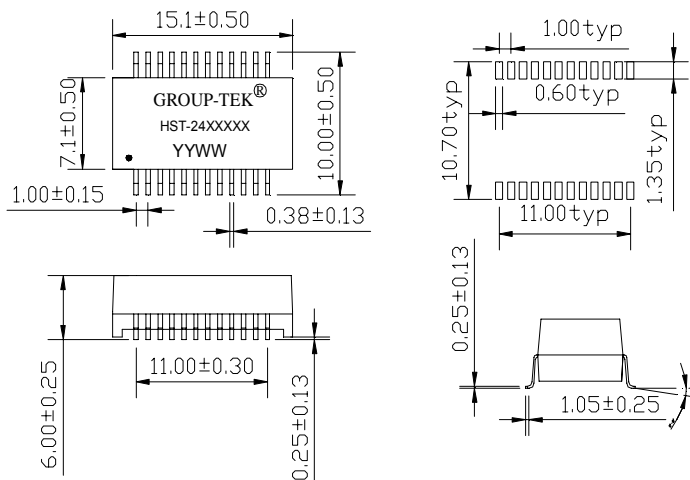
Features:

- Compliant with IEEE 802.3 standard for 1000 BASE-T
- Suitable for PoE applications(350mA@48V continuous).
- Primary inductance(Lp)350uH min.@ 100KHz,0.1Vrms,8mA
- LL:0.5uH Max @100KHz, 0.1V
- Cww:30pF Max@100KHz, 0.1V
- Primary DCR:0.9ΩMax;Secondary DCR:1.2ΩMax.
- Designed for reflow soldering at temperatures up to 260°C .
- Storage Temperature -25°C to +125°C.
- RoHS compliance

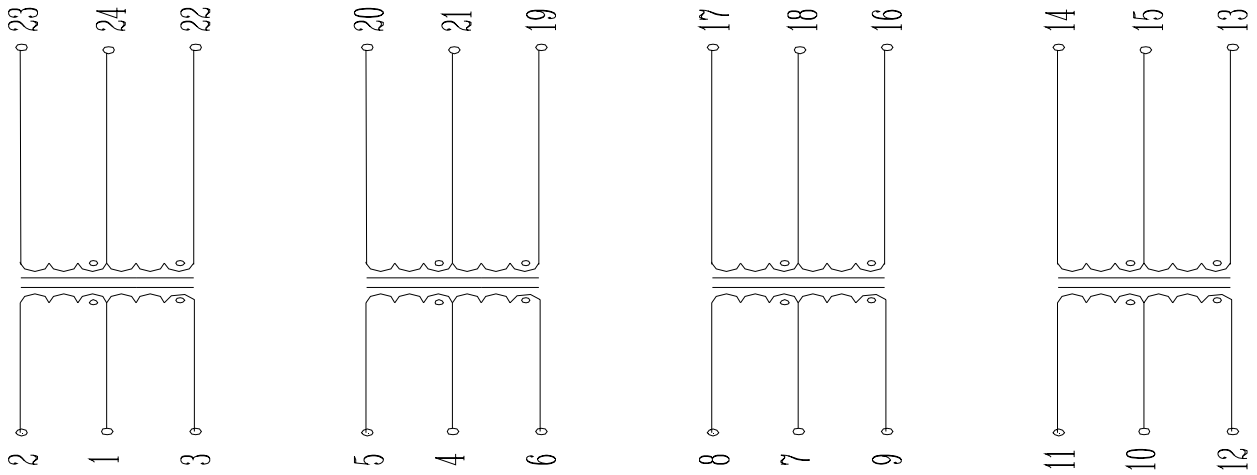
Electrical Specification@25°C

Part NO	Turns Ratio (±5%)		PoE or Non PoE	Operating Temperature	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-24054SXCR	1CT:1CT	1CT:1CT	PoE	-40°Cto+85°C	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-45	-40	-35	1500VAC/1mA/60S
HST-24056SCR	1CT:1CT	1CT:1CT	PoE	0°Cto+70°C	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-45	-40	-35	1500VAC/1mA/60S
HST-24056SXCR	1CT:1CT	1CT:1CT	Non PoE	-40°Cto+85°C	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-45	-40	-35	1500VAC/1mA/60S
HST-24076SCR	1CT:1CT	1CT:1CT	Non PoE	0°Cto+70°C	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-45	-40	-35	1500VAC/1mA/60S

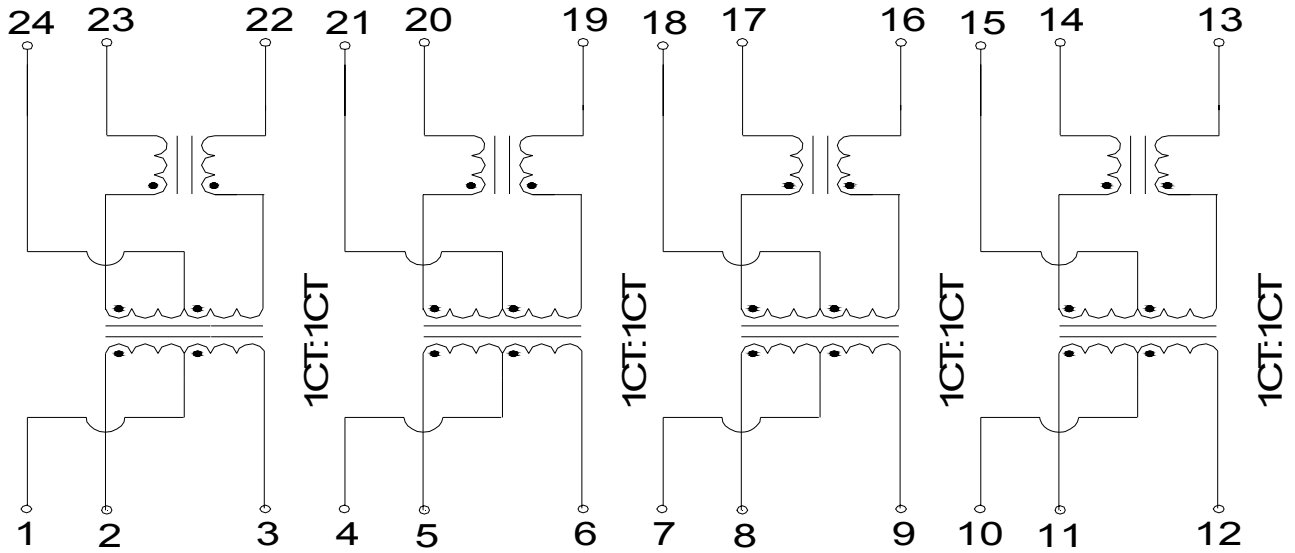
Dimension:mm(inch)Unless otherwise specified , all tolerance are +/-0.25(0.01)



Schematic:HST-24054SXCR



Schematic:HST-24056SCR/HST-24056SXCR



Schematic:HST-24076SCR

