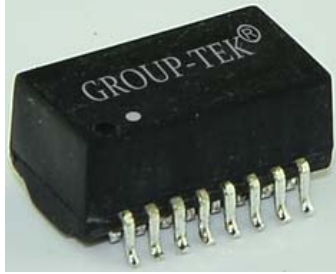


## 10/100 BASE TRANSFORMER

### Features:

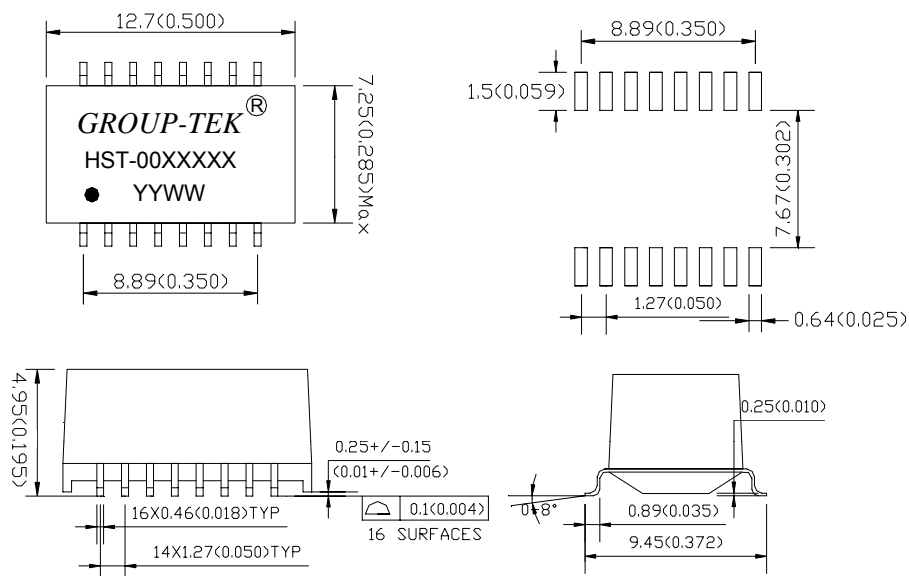


- Designed to meet IEEE 802.3 requirements.
- Primary inductance(Lp)350uH min.@ 100KHz,0.1Vrms,8mA .
- LL:0.35uH Max @100KHz, 0.1V
- Cww:30pF Max@100KHz, 0.1V
- Primary DCR:0.9ΩMax;Secondary DCR:1.2ΩMax.
- Storage temperature -25°C to +125°C.
- RoHS compliance

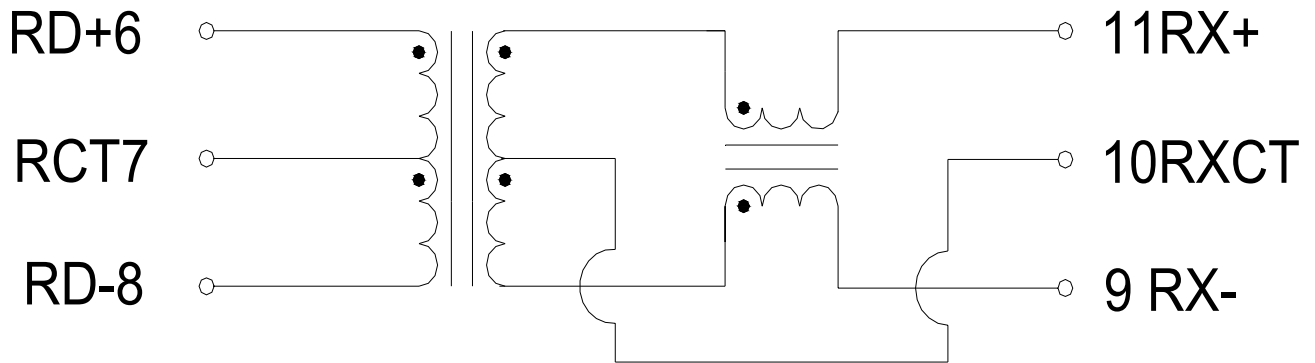
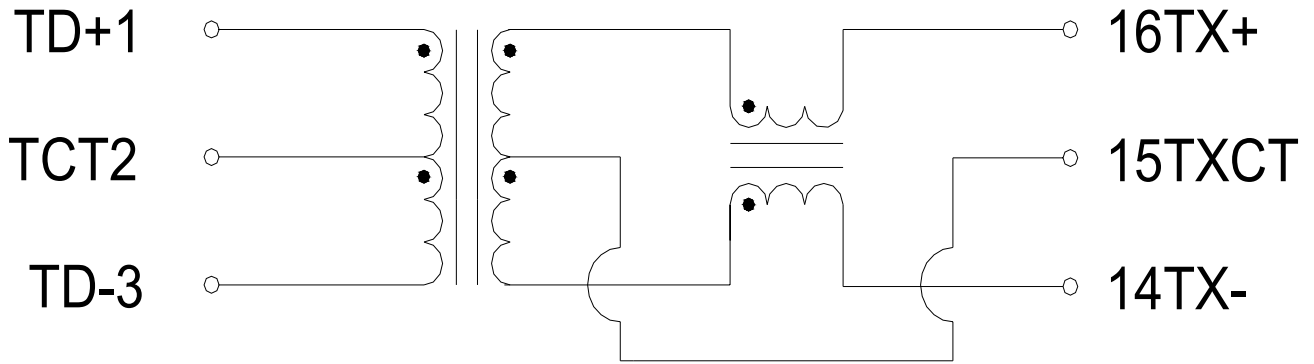
### Electrical Specification@25°C

Part NO	Turns Ratio	PoE or Non PoE	Operating Temperature	Insertion loss (dB Max)	Return loss (dB Min)			Differential to Common Mode Rejection (dB Min)			Crosstalk (dB Min) MHz			Hipot (Vrms min)
					1-100	30	60	80	30	60	100	30	60	
HST-0031SCR	1CT:1CT&1CT:1CT	PoE	0°C to +70°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-0032SXCR	1CT:1CT&1CT:1CT	PoE	-40°C to +85°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-0041SAR	1CT:1CT&1CT:1CT	Non PoE	0°C to +70°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-0041SXAR	1CT:1CT&1CT:1CT	Non PoE	-40°C to +85°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-0042SCR	1CT:1CT&1CT:1CT	Non PoE	0°C to +70°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-0042SXAR	1CT:1CT&1CT:1CT	Non PoE	-40°C to +85°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-0044SCR	1CT:1CT&1CT:1CT	Non PoE	0°C to +70°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S
HST-0045SCR	1CT:1CT&1CT:1CT	PoE	0°C to +70°C	-1.1	-18	-14	-12	-40	-35	-30	-40	-35	-30	1500VAC/1mA/60S

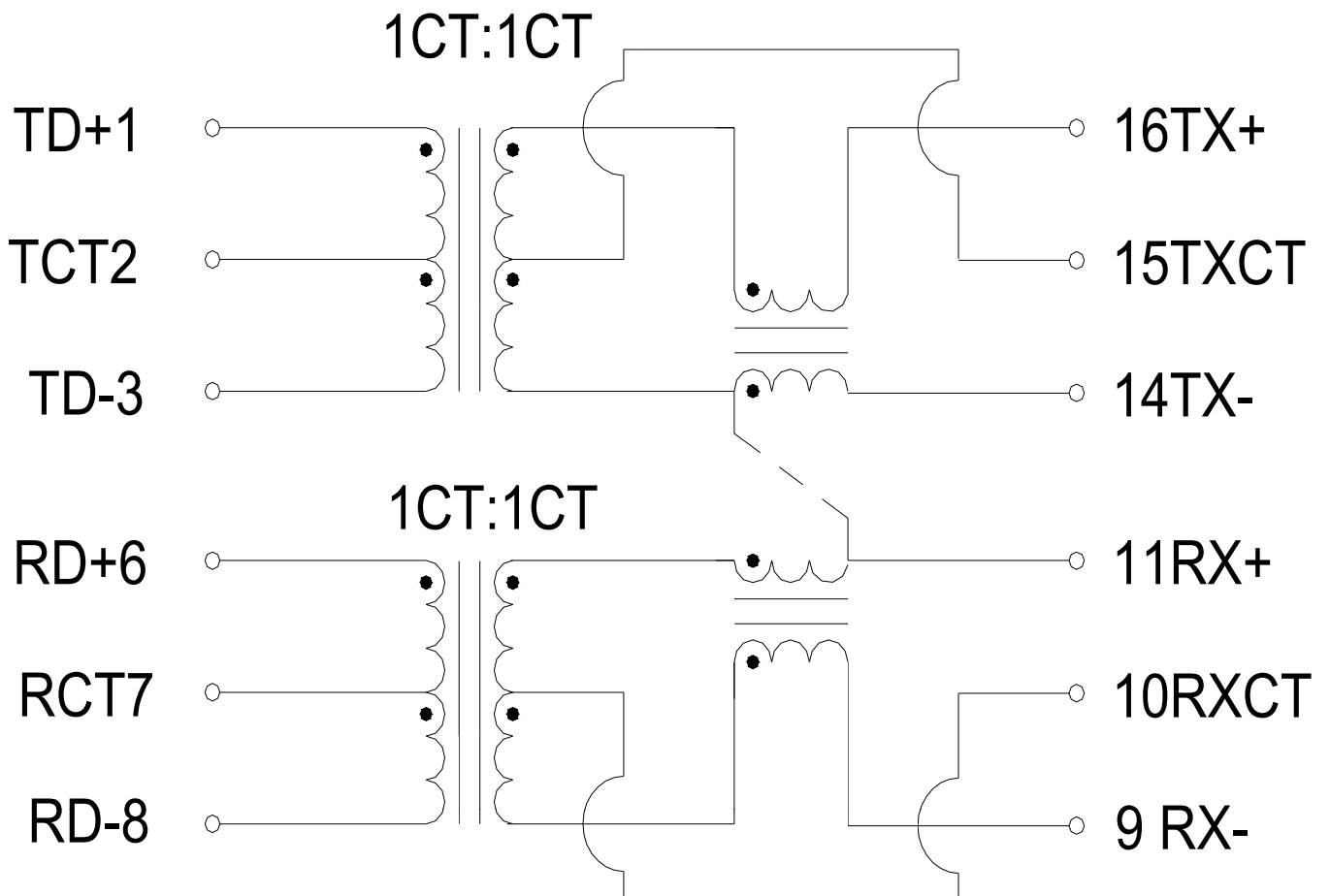
Dimension:mm(inch),Unless otherwise specified , all tolerance are±0.25(0.01)



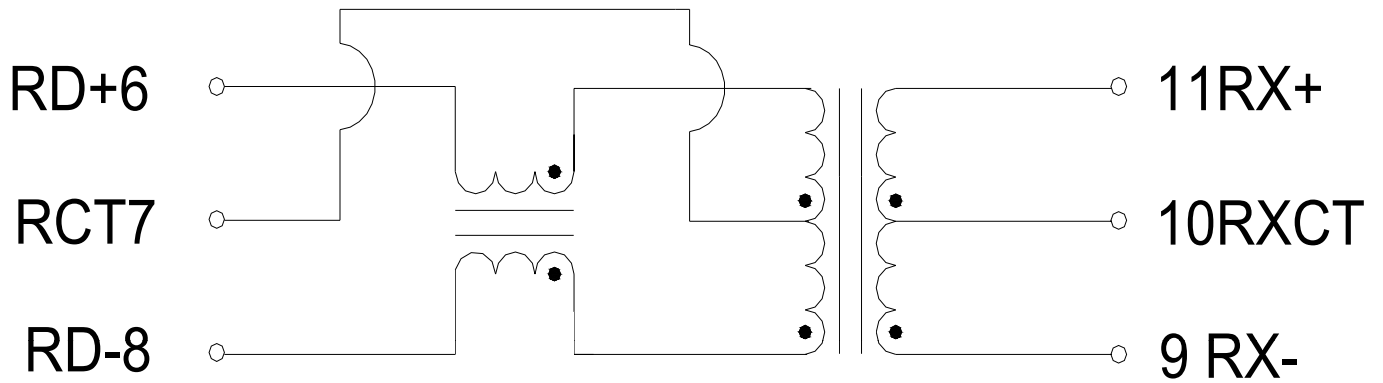
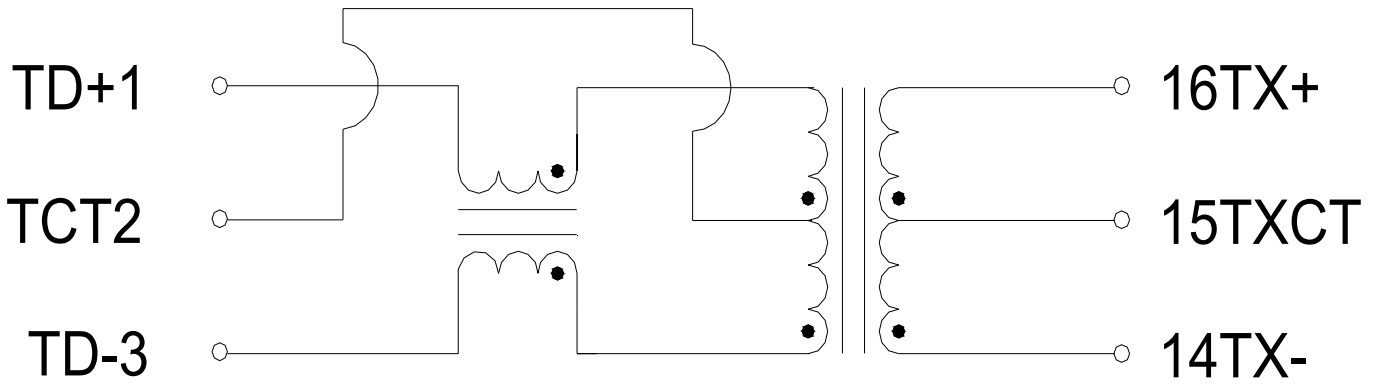
Schematic:HST-0041SAR/HST-0041SXAR/HST-0045SCR



Schematic:HST-0031SCR/HST-0032SXCR

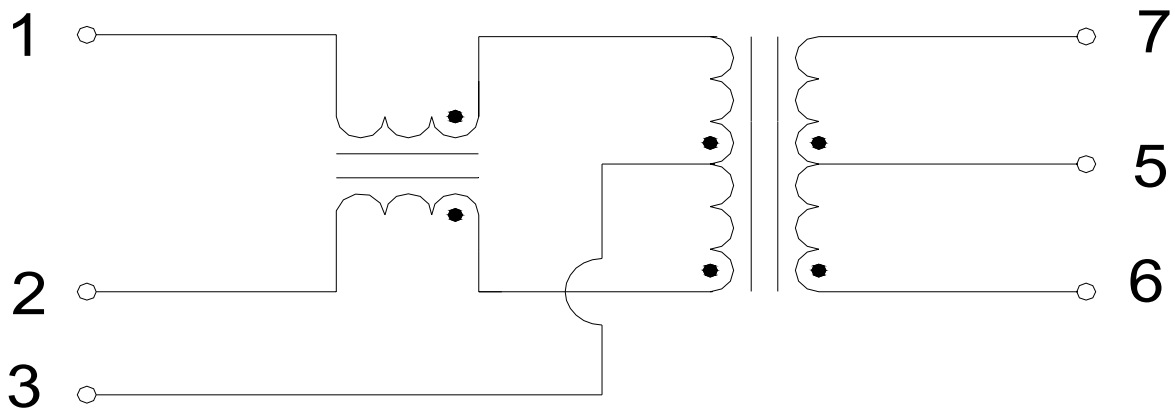


Schematic:HST-0042SCR/HST-0042SXCAR



Schematic:HST-0044SCR

1CT:1CT



1CT:1CT

