

### 1000BASE-TX MAGNETICS MODULES



#### Features:

- Compliant with IEEE 802.3at standard for 1000Base-T.
- Suitable for PoE+ applications(720mA@57V continuous).
- Primary inductance(Lp)350uH min.@ 100KHz,0.1Vrms,8mA .
- Capacitance between windings (Cww)30pF Max(at 100kHz, 0.1V).
- Leakage Inductance (LL) 0.5uH Max (at 100kHz, 0.1V).
- DCR Pri0.9Ω Max Sec1.2Ω Max.
- Balance Inductance (BL) 0.1uH Max (Primary Short at 100kHz, 0.1V).
- Designed for reflow soldering at temperature 260°C Max.
- Storage Temperature -25°C~+125°C; 5%~90%RH.
- RoHS compliance.

#### Electrical Specification@25°C Operating Temperature 0°C~+70°C; 10%~90%RH

Part NO	Insertion Loss MHz (dB Max)	Return Loss MHz (dB Min )		CMRR MHz (dB Min)	Crosstalk MHz (dB Min)			Hipot (Vrms MIN)
		1-40	40-100		30	60	100	
HST-24082DR	-1.0	-18	-12-20*lg(f/80)	-30	-40	-35	-30	1500VAC/1mA/60S

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

