

1000 BASE TRANSFORMER

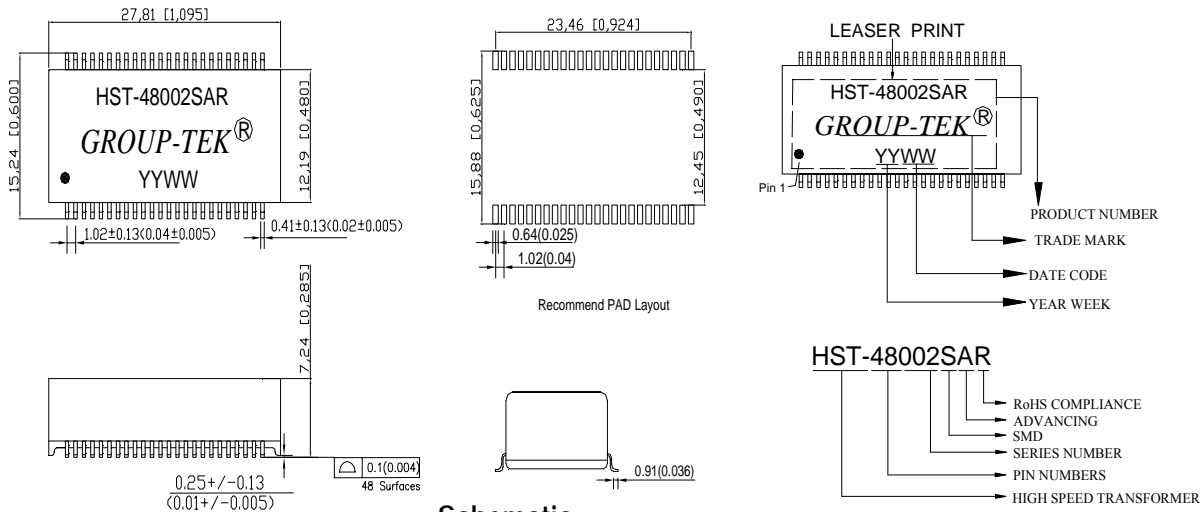
Features:

- Designed to meet IEEE 802.3ab requirements.
- Non-PoE Product.
- Primary inductance(Lp)350uH min.@100KHz,0.1Vrms,DC 8mA
- Capacitance between windings (Cww)30pF Max(at 100kHz, 0.1V).
- Leakage Inductance (LL) 0.5uH Max (at 100kHz, 0.1V).
- Primary DCR:0.9ΩMax;Secondary DCR:1.2ΩMax.
- Balance Inductance (BL) 1.0uH Max (at 100kHz, 0.1V).
- Designed for reflow soldering at temperature 260°C Max.
- Operating Temperature 0°C to +70°C, 10%~90%RH .
- RoHS compliance.



Electrical Specification @ 25°C		Operating Temperature 0°C to +70°C									
Part No.	Insertion Loss (dB max) 1-100MHz	Return Loss (dB min.) MHz					CMR (dB Min) MHz	Crosstalk (dB Min) MHz			Isolation Voltage (Vrms)
		1-30	40	60	80	100	1-100	30	60	100	
HST-48002SAR	-1.0	-18	-18	-14.5	-12	-10.1	-30	-40	-35	-30	1500VAC/1mA/60S

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



Schematic:

