

1000 BASE TRANSFORMER

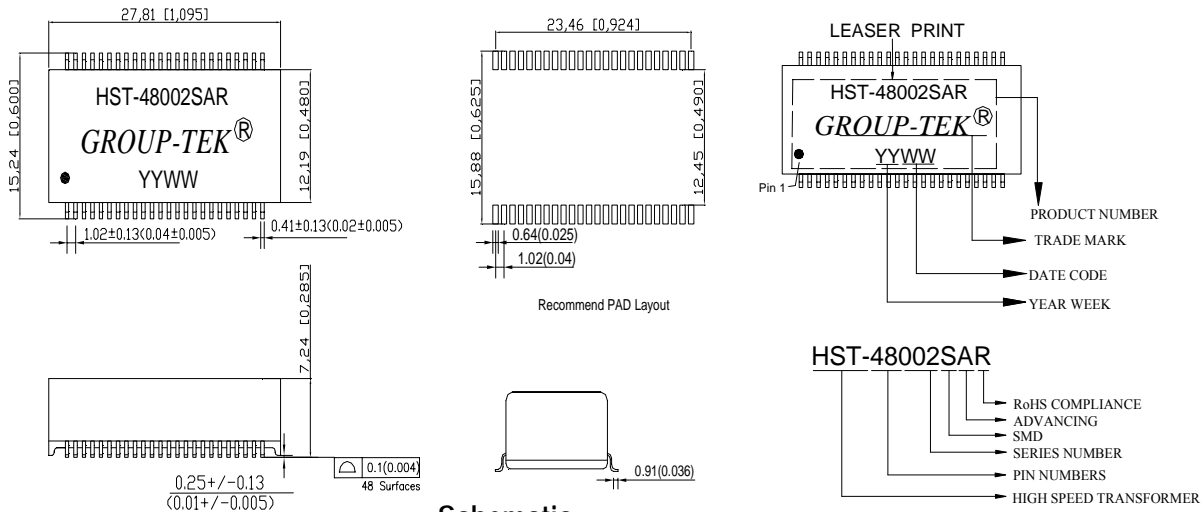
Features:

- 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:

