

Data and Signal Line Chokes

For Industrial Single Pair Ethernet (SPE)

- Designed for Industrial SPE and 10BASE-T1L (IEEE 802.3cg)
- Common-mode choke function suppression of asymmetrical interference coupled in on lines
- Isolating inductor function 1:1 coupling of data signal, have High isolation capability
- Suitable for lead-free reflow soldering temperature 245°C(+0°C/-5°C)
- Operating temperature range -40 to +125 °C

Electrical Specification @25°C:

Model No.	Inductance	I _R (mA)	Leakage Inductance ¹⁾ (μH Typ)	Capacitance ³⁾ (pF Max)	DC Resistance (Ω Typ)	Hi-Pot (Vdc)	Product Type
UT21395S	470uH ^{1,4)}	700	0.11	—	0.17	250	Common Mode Choke
UT21396S	1mH ^{2,5)}	700	0.15	14	0.165	2250	Isolation Inductor
UT21397S	2.2mH ^{2,5)}	500	0.15	18	0.42	2250	Isolation Inductor

1.) Inductance & Leakage Inductance measured at 100kHz 0.1Vrms.

2.) Inductance measured at 10kHz 0.1Vrms.

3.) Capacitance measured at 100kHz 1Vrms.

4.) Inductance tolerance: ±30%

5.) Inductance tolerance: +50%/-30%

Notes: 1. For RoHS compliant products

a.) Ordering code (Manufacturer Part Number): ex. **TG-UT21395S**

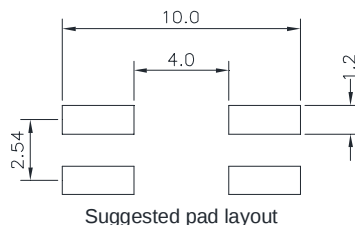
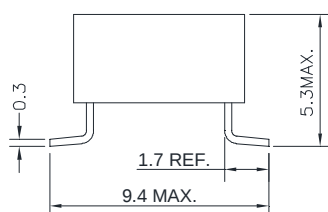
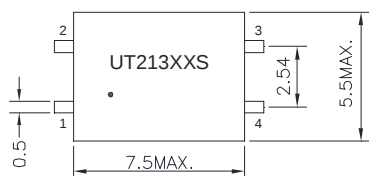
b.) Date Code suffix to "G"

c.) Solder : Sn/Ag/Cu

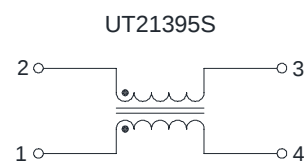
2. Specifications are subject to change without prior notice.



Mechanicals & Schematics:



Tolerance: ±0.2mm
Coplanarity: 0.102mm



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