

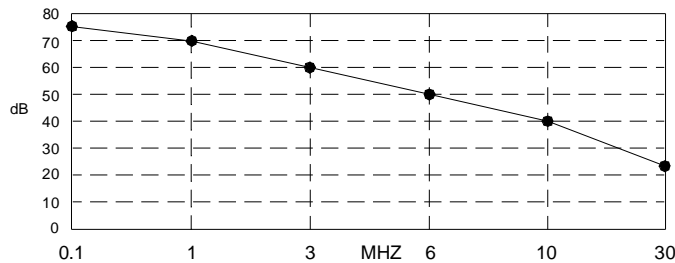
TRANSFORMERS FOR DIGITAL AUDIO DATA TRANSMISSION

- ◆ For use with Crystal semiconductor's CS8401, CS8402 for ICs.
- ◆ Operating transmission rates: 1 to 7 Mbps.
- ◆ Operating temperature: 0°C to +70°C
- ◆ Controlled rise time: 25 nsec max.
- ◆ High isolation voltage: 2KV min.

ELECTRICAL SPECIFICATIONS @25°C

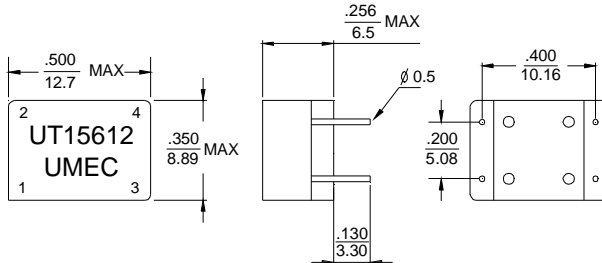
| Model No. | Turns Ratio (±5%) | Primary Inductance (mH ± 20%) | L _L (μH) MAX | Rise time (nsec) MAX | ET (V-μsec) MAX | Isolation (Vrms) MIN | Bandwidth (100KHz-55MHz) TYP | Return Loss (100KHz-10MHz) MIN |
|-----------|-------------------|-------------------------------|-------------------------|----------------------|-----------------|----------------------|------------------------------|--------------------------------|
| UT15612 | 1:1 | 2.5 | .50 | 25 | 20 | 2000 | 3 dB | 22 dB |
| UT15612S | 1:1 | 2.5 | .50 | 25 | 20 | 2000 | 3 dB | 22 dB |

Common Mode Rejection

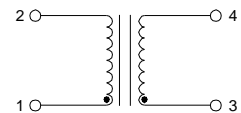


Mechanicals

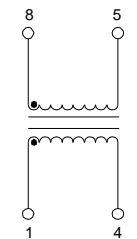
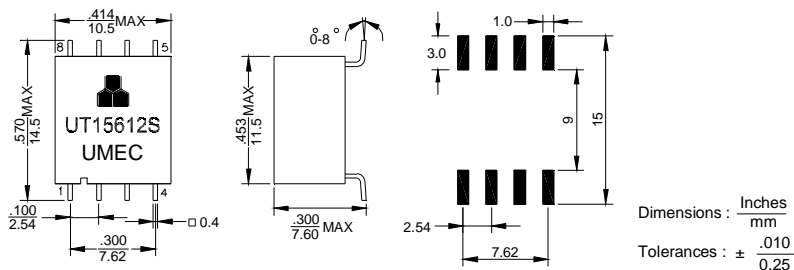
*UT15612



Schematics



*UT15612S



- Notes: 1.) Specifications are subject to change without prior notice.
 2.) The tolerance of +0.25 is not applicable to the spec which have the MAX
 3.) For RoHS compliant products,
 a.) The Ordering Code: TG-Model No. ex. TG-UT15612S
 b.) Date Code suffix to "G" (xxxxG).

DATA SHEET 02-15 JUL./05
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