

# ISDN

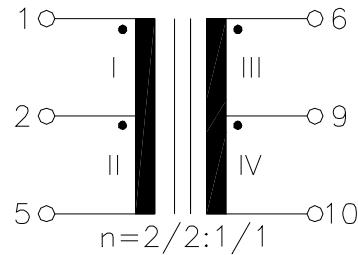
UM MODEL NO.:	SPECIFICATION	REV.	
UT28142-TS	S <sub>O</sub> -Interface Transformer	B4	06/34

**Characteristic data:**

- f=96KHz
- RI+RII  $\approx$  3.8 $\Omega$
- RIII+RIV  $\approx$  3.3 $\Omega$
- $\Delta$ Idc=4mA
- Tu(amb) $\leq$ 60 $^{\circ}$ C
- Operating Temperature: -40 to +85 degree C

The transformer meets the specifications for supplementary insulation per IEC 950 with working voltage of 250V

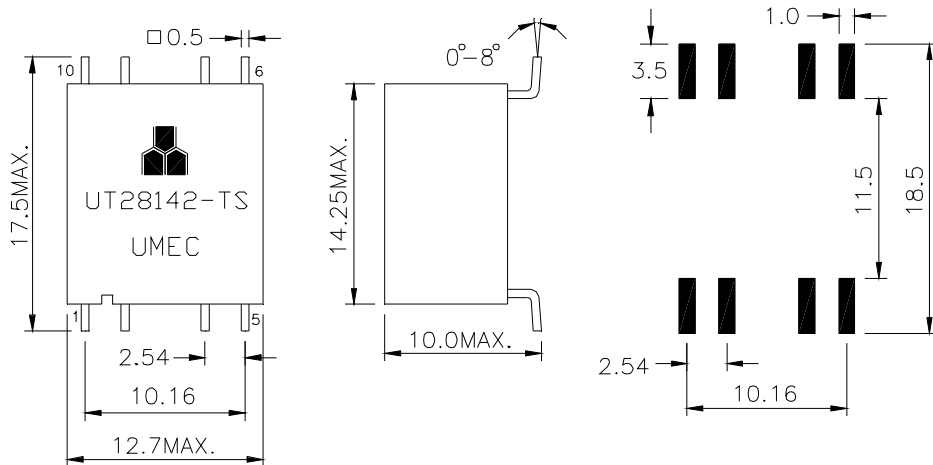
**Schematic diagram:**



**Electrical Specification at 25 $^{\circ}$ C:**

- 1.) L<sub>III+IV</sub> $\geq$ 30mH, (N<sub>III+IV</sub> series), at 10KHz 100mV
- 2.) Polarity and turns ratio tolerance:  $\pm$ 1%
- 3.) C<sub>k</sub> $\leq$ 15pF, (N<sub>I+NII</sub> to N<sub>III+NIV</sub>), at 10KHz 100mV
- 4.) L<sub>s III+IV</sub> $\leq$ 15.0uH, (N<sub>III+NIV</sub> series, N<sub>I+NII</sub> shorted), at 100KHz 100mV
- 5.) Z<sub>III</sub>=Z<sub>IV</sub> $\geq$ 625 $\Omega$ , at 20KHz 100mV with  $\Delta$ Idc=4mA
- 6.) HI-pot test:  
Up=3.0KVrms, 2s(N<sub>I+NII</sub> to N<sub>III+NIV</sub>)

**Dimension:**



- NOTE: 1. Packaging Information: Tape and Reel according to Item NO. "K20S" OF DATA SHEET 01-00  
 2. For RoHS compliant products:  
 a.) The UMEC ordering code: **TG-UT28142-TS**  
 b.) Date Code suffix to "G" (xxxxG).  
 c.) Solder : Sn/Ag/Cu .  
 3. Specifications are subject to change without prior notice.

UNIT: mm

Tolerances:  $\pm$ 0.2mm



UNIVERSAL MICROELECTRONICS CO.,LTD.  
 TEL:886-4-23590096 FAX:886-4-23590129  
 http://www.umec-web.com E-mail:business@umec.com.tw

3,27TH RD.,TAICHUNG INDUSTRIAL PARK,  
 TAICHUNG,TAIWAN,R.O.C

E10-013-C