

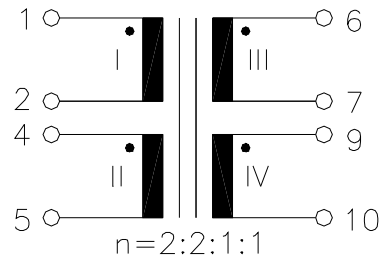
# ISDN

UM MODEL NO.:	SPECIFICATION	REV.	
UT28166	S <sub>O</sub> -Interface Transformer	A1	99/05

**Characteristic data:**

$R_{I+II} \approx 3.6\Omega$   
 $R_{III+IV} \approx 1.2\Omega$   
 $\Delta I_{dc} = 5\text{mA}$   
 $T_u(\text{amb}) \leq 60^\circ\text{C}$

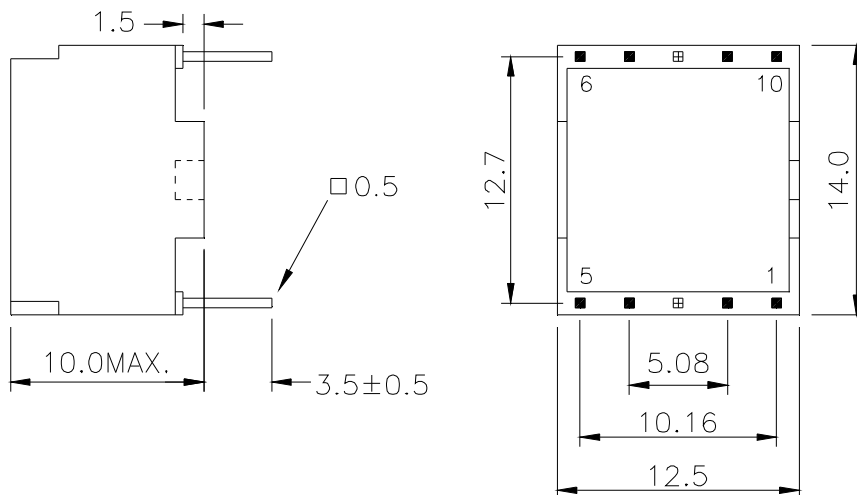
**Schematic diagram:**



**Electrical Specification at 25<sup>0</sup>C:**

- 1.)  $L_{III+IV} \geq 30\text{mH}$ , (N<sub>III</sub>+N<sub>IV</sub> series), at 10KHz 100mV
- 2.) Polarity and turns ratio tolerance:  $\pm 1\%$
- 3.)  $C_k \leq 140\text{pF}$ , (N<sub>I</sub> || N<sub>II</sub> to N<sub>III</sub> || N<sub>IV</sub>), at 10KHz 100mV
- 4.)  $L_{sIII+IV} \leq 5.0\mu\text{H}$ , (N<sub>III</sub>+N<sub>IV</sub> series, N<sub>I</sub>+N<sub>II</sub> shorted), at 100KHz 100mV
- 5.)  $Z_{III} = Z_{IV} \geq 625\Omega$ , at 20KHz 100mV with  $\Delta I_{dc} = 5\text{mA}$
- 6.) HI-pot test:  
 $U_p = 1.5\text{KV}_{rms}$ , 2s(N<sub>I</sub>+N<sub>II</sub> to N<sub>III</sub>+N<sub>IV</sub>)  
 $U_p = 0.5\text{KV}_{rms}$ , 2s(N<sub>I</sub> to N<sub>II</sub>, N<sub>III</sub> to N<sub>IV</sub>)

**Dimension:**



NOTE: Specifications are subject to change without prior notice.

UNIT: mm

Tolerances:  $\pm 0.2\text{mm}$

E10-013-C



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