

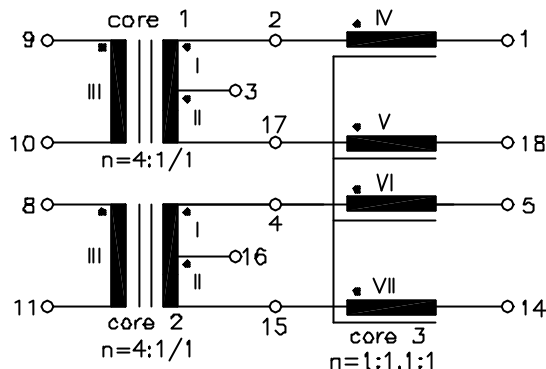
# ISDN

UM MODEL NO.:	SPECIFICATION	REV.	
UT21615	So-Interface Module	B3	06/02

**Characteristic data:**

$f=96\text{KHz}$   
 $C_{wI+II} \approx 100\text{pF}$   
 $R_{I}=R_{II} \approx 0.42\Omega$   
 $R_{III} \approx 2.5\Omega$   
 $R_{IV} \sim R_{VII} \approx 1.1\Omega$   
 $\Delta I_{dc}=3\text{mA}$   
 $T_{u(amb)} \leq 60^{\circ}\text{C}$   
 Operating temperature range  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

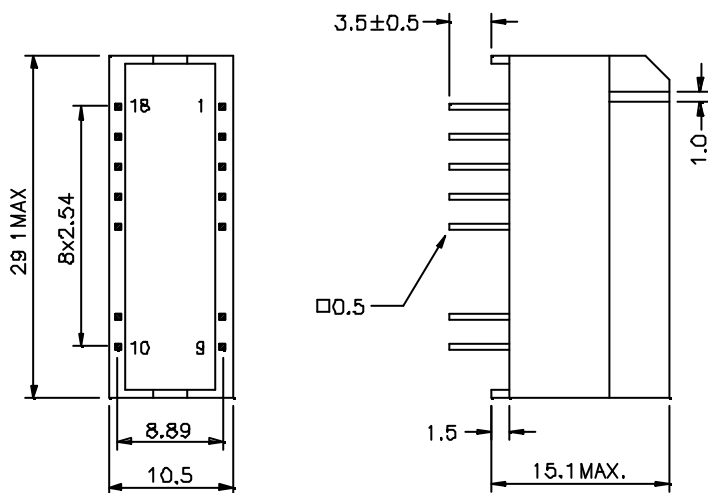
**Schematic diagram:**



**Electrical Specification at 25°C:**

- LI+II ≥ 30mH, (NI+II series), at 10KHz 100mV (core 1,2)
- Polarity and turns ratio tolerance: ±1% (core 1,2,3)
- Ck ≤ 120pF, (NIII to NI+NIV || NII+V, or NI+VI || NII+VII), at 10KHz 100mV (core 1,2)
- Ls I+II ≤ 3.0uH, (NI+II series, NIII shorted), at 100KHz 100mV (core 1,2)
- Ls IV ≤ 0.6uH, (NV, VI, VII shorted), at 100KHz 100mV (core 3)
- LIV=LV=LVI=LVII=5.0mH +50%/-30%, at 10KHz 100mV (core 3)
- ZI=ZII ≥ 625Ω, at 20KHz 100mV with ΔIdc=3mA (core 1,2)
- HI-pot test:  
 Up=1.5KVrms, 2s [ NI/II (core 1+core 2) to NIII (core 1+core 2) ]  
 Up=0.5KVrms, 2s [ NIV+V (core 3)+NIII (core 1) to NVI+VII (core 3)+NIII (core 2) ]

**Dimension:**



NOTE : 1. For RoHS compliant products:

- The UMEC ordering code: **TG-UT21615**
- Date Code suffix to "G" (xxxxG).
- Solder : Sn/ Cu .

2. Specifications are subject to change without prior notice.

UNIT: mm

Tolerances ±0.2mm



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