

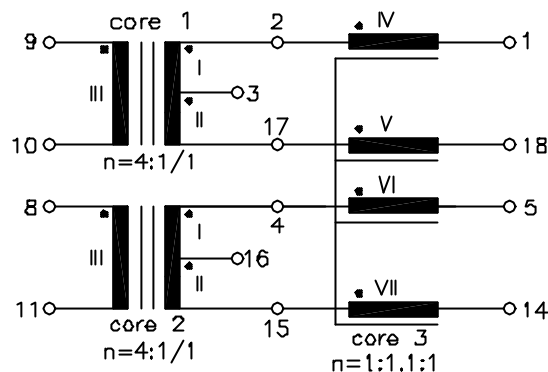
# ISDN

UM MODEL NO.:	SPECIFICATION	REV.	
UT21616	S <sub>O</sub> -Interface Module	A1	98/47

### Characteristic data:

$f=96\text{KHz}$   
 $C_w \text{ I+II} \approx 100\text{pF}$   
 $R_{\text{I}}=R_{\text{II}} \approx 0.42\Omega$   
 $R_{\text{III}} \approx 2.5\Omega$   
 $R_{\text{IV}} \sim \text{VII} \approx 1.5\Omega$   
 $\Delta I_{\text{dc}}=3\text{mA}$   
 $T_{\text{u(amb)}} \leq 60^\circ\text{C}$

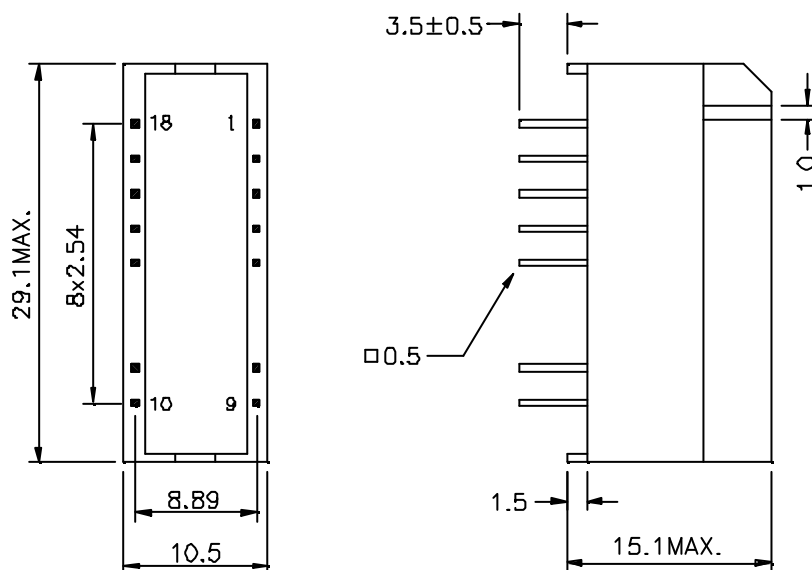
### Schematic diagram:



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

- 1.)  $L_{\text{I+II}} \geq 30\text{mH}$ , ( $N_{\text{I+II}}$  series), at 10KHz 100mV (core 1,2)
- 2.) Polarity and turns ratio tolerance  $\pm 1\%$  (core 1,2,3)
- 3.)  $C_{\text{k}} \leq 120\text{pF}$ , ( $N_{\text{III}}$  to  $N_{\text{I+NIV}} \parallel N_{\text{II+V}}$ , or  $N_{\text{I+VI}} \parallel N_{\text{II+VII}}$ ), at 10KHz 100mV (core 1,2)
- 4.)  $L_{\text{s I+II}} \leq 3.0\mu\text{H}$ , ( $N_{\text{I+II}}$  series,  $N_{\text{III}}$  shorted), at 100KHz 100mV (core 1,2)
- 5.)  $L_{\text{s V}} \leq 0.7\mu\text{H}$ , ( $N_{\text{VI}}$ ,  $N_{\text{VII}}$ ,  $N_{\text{VIII}}$  shorted), at 100KHz 100mV (core 3)
- 6.)  $L_{\text{IV}}=L_{\text{V}}=L_{\text{VI}}=L_{\text{VII}}=9.0\text{mH} \pm 50\%/-30\%$ , at 10KHz 100mV (core 3)
- 7.)  $Z_{\text{I}}=Z_{\text{II}} \geq 625\Omega$ , at 20KHz 100mV with  $\Delta I_{\text{dc}}=3\text{mA}$  (core 1,2)
- 8.) HI-pot test:  
 $U_{\text{p}}=1.5\text{KVrms}, 2\text{s}$  [  $N_{\text{I/II}}$  (core 1+core 2) to  $N_{\text{III}}$  (core 1+core 2) ]  
 $U_{\text{p}}=0.5\text{KVrms}, 2\text{s}$  [  $N_{\text{IV+V}}$  (core 3)+ $N_{\text{III}}$  (core 1) to  $N_{\text{V+VII}}$  (core 3)+ $N_{\text{III}}$  (core 2) ]

### Dimension:



NOTE: Specifications are subject to change without prior notice.

UNIT: mm

Tolerances  $\pm 0.2\text{mm}$



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