

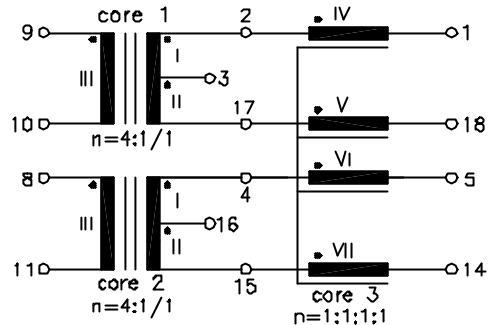
ISDN

UM MODEL NO.:	SPECIFICATION	REV.	
UT21612	S _O -Interface Module	A2	05/53

Characteristic data:

$f=96\text{KHz}$
 $C_w \text{ I+II} \approx 30\text{pF}$
 $R_{\text{I}}=R_{\text{II}} \approx 0.42\Omega$
 $R_{\text{III}} \approx 2.5\Omega$
 $R_{\text{IV}} \sim \text{VII} \approx 1.45\Omega$
 $\Delta I_{\text{dc}}=3\text{mA}$
 $T_{\text{u(amb)}} \leq 60^\circ\text{C}$

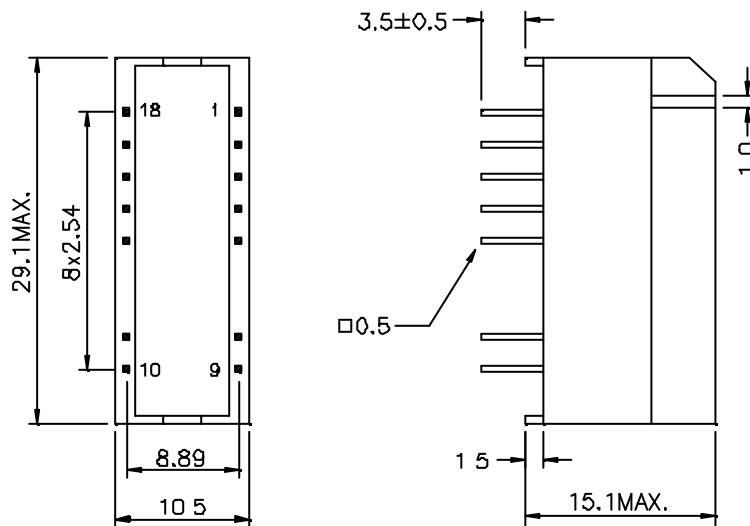
Schematic diagram:



Electrical Specification at 25⁰C:

- 1.) $L_{\text{I+II}} \geq 30\text{mH}$, (NI+II series), at 10KHz 100mV (core 1,2)
- 2.) Polarity and turns ratio tolerance $\pm 1\%$ (core 1,2,3)
- 3.) $C_k \leq 60\text{pF}$, (NIII to NI+NIV || NII+V, or NI+VI || NII+VII), at 10KHz 100mV (core 1,2)
- 4.) $L_s \text{ I+II} \leq 3.0\mu\text{H}$, (NI+II series, NIII shorted), at 100KHz 100mV (core 1,2)
- 5.) $L_{\text{IV}}=L_{\text{V}}=L_{\text{VI}}=L_{\text{VII}} \geq 6.0\text{mH}$, at 10KHz 100mV (core 3)
- 6.) $Z_{\text{I}}=Z_{\text{II}} \geq 625\Omega$, at 20KHz 100mV with $\Delta I_{\text{dc}}=3\text{mA}$ (core 1,2)
- 7.) HI-pot test:
 $U_p = 0.5\text{KV}_{\text{rms}}, 2\text{s}$ [NI/II (core 1) + NIV/V (core 3) + NIII (core 2) to NI/II (core 2) + NVI/VII (core 3) + NIII (core 1)]

Dimension:



- NOTE : 1. For RoHS compliant products:
- a.) The UMEC ordering code: **TG-UT21612**
 - b.) Date Code suffix to "G" (xxxxG).
 - c.) Solder : Sn/ Cu .
2. Specifications are subject to change without prior notice.

UNIT: mm

Tolerances $\pm 0.2\text{mm}$

E10-013-C



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

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