

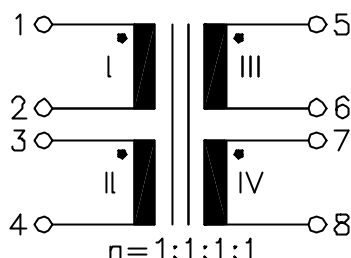
ISDN

UM MODEL NO.:	SPECIFICATION	REV.	
UT21434-TS	U _{PO} -Interface Transformer	A3	2005/30

Characteristic data:

$f=192\text{KHz}$
 $R_{I+II} \approx 2.0\Omega$
 $R_{III+IV} \approx 2.1\Omega$
 $I_{dc}=75\text{mA}$
 $T_u(\text{amb}) \leq 70^\circ\text{C}$

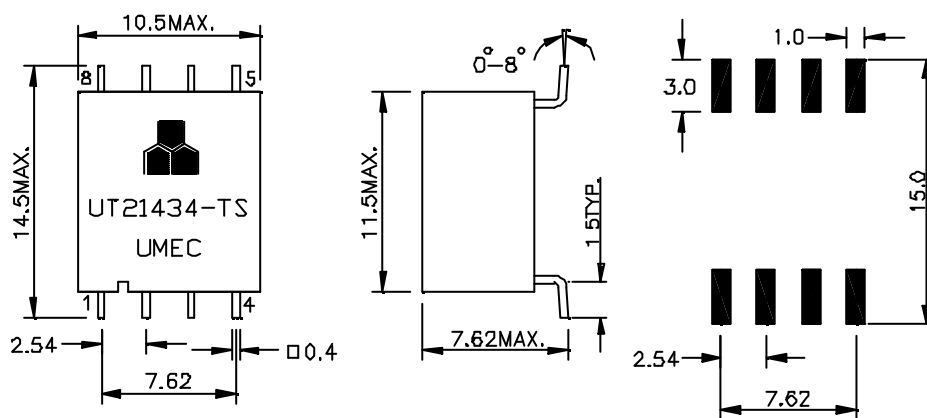
Schematic diagram:



Electrical Specification at 25⁰C:

- 1.) $L_{III+IV} \geq 1.7\text{mH}$, (N_{III}+N_{IV} series), at 10KHz 100mV with $I_{dc}=75\text{mA}$
- 2.) Polarity and turns ratio tolerance $\pm 2\%$
- 3.) $C_k \leq 180\text{pF}$, (N_I || N_{II} to N_{III} || N_{IV}), at 10KHz 100mV
- 4.) $L_s_{III+IV} \leq 10.0\mu\text{H}$, (N_{III}+N_{IV} series, N_I+N_{II} shorted), at 100KHz 100mV
- 5.) HI-POT test:
 - $U_p = 1.5\text{KV}_{rms}, 2\text{s}$ (N_I+N_{II} to N_{III}+N_{IV})
 - $U_p = 0.5\text{KV}_{rms}, 2\text{s}$ (N_I to N_{II}, N_{III} to N_{IV})

Dimension:



Complanarity of 0,1 mm

- NOTE :
1. Packaging Information: Tape and Reel according to Item NO. "K10S" of data sheet 01-00
 2. For RoHS compliant products:
 - a.) The UMEC ordering code: **TG-UT21434-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 $\pm 0.2\text{mm}$



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

E10-013-C