

# Modem Coupling Transformer – UT41612A

## ELECTRICAL SPECIFICATIONS AT 25°C :

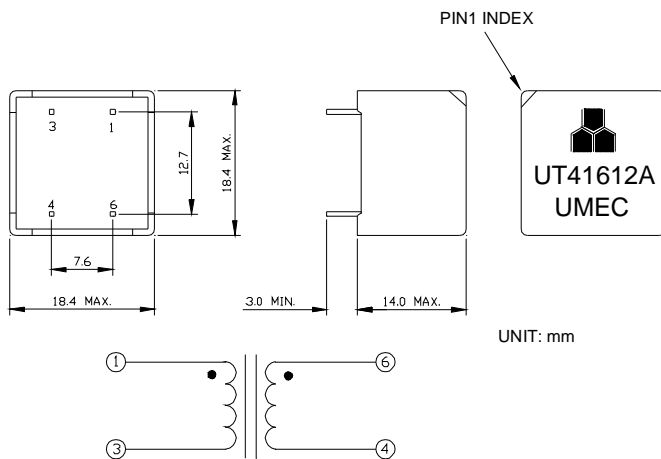
- \*Impedance : Designed to reflect 600ohms on PRI.  
with 560ohms on SEC.
- \*Turns Ratio : 1:1 ±2%
- \*D.C.Current in PRI. : None.
- \*D.C.Resistance : PRI.: 64Ω~72.5Ω  
SEC.: 64Ω~72.5Ω
- \*Dielectric Test : 3750Vac , PRI. to SEC.
- \*Insertion Loss : 1.5dB max. , at 2KHz 0dBm.
- \*Frequency Response : ±0.2dB , @ 200Hz to 4KHz , ref 1KHz.
- \*Total Harmonic Distortion : -87dB typ. , @ 600Hz , -10dBm .
- \*Return Loss : 18dB min. , @ 200Hz to 4KHz.
- \*Leakage Inductance : 16mH~19mH, @ 1KHz 1V., SEC. shorted
- \*Longitudinal Balance : 80dB min. , @ 300Hz to 4KHz.
- \*Shunt Inductance : 4.0H min. @200Hz 20mV(parallel mode.)  
3.0H min. @1KHz 20mV(parallel mode.)
- \*Shunt Resistance : 20Kohms min. , @ 200Hz , 20mV ,  
(parallel mode.)  
25Kohms min. , @ 1KHz , 20mV ,  
(parallel mode.)

**BABT Certificate number : 608197**

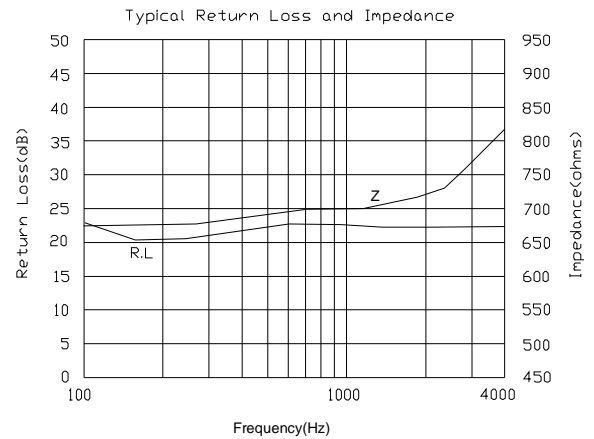
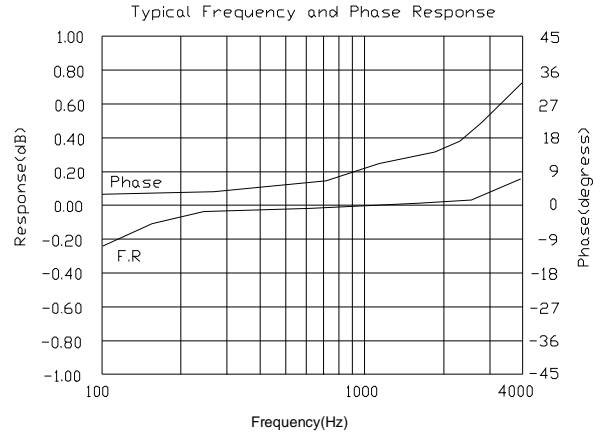
**VDE Ref Certificate number : 131235ÜG**

Note: Specifications are subject to change without prior notice.

## SCHEMATIC DIAGRAMS & DIMENSIONS :



## TYPICAL GRAPHS :



## SPICE TRANSMISSION MODEL :

