

# Modem Coupling Transformer – UT41666

## ELECTRICAL SPECIFICATIONS AT 25°C :

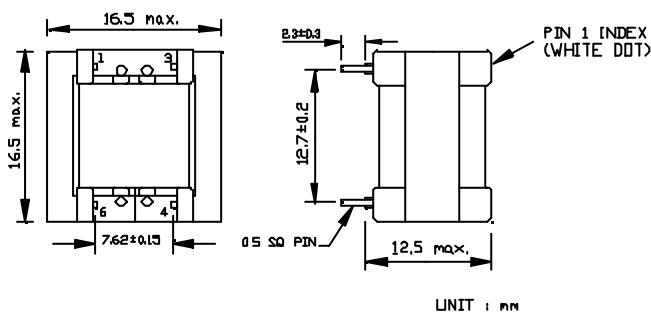
- \*Impedance : Designed to reflect 600ohms on PRI.  
with 374ohms on SEC.
- \*Turns Ratio : 1:1 ±2%
- \*D.C.Current in PRI. : None.
- \*D.C.Resistance : PRI.:103ohms TYP.  
SEC.:128ohms TYP.
- \*Dielectric Test : 1.5KVac, PRI. to SEC.
- \*Insertion Loss : 2.0±0.25dB at 1KHz 0dBm.
- \*Frequency Response : ±0.25dB ,@ 200Hz to 4KHz, ref 1KHz.
- \*Total Harmonic Distortion : -82dB max. , @ 600Hz , -10dBm .
- \*Return Loss : 15dB min. , 300Hz to 3KHz.
- \*Longitudinal Balance : 60dB min. , @ 200Hz to 4KHz.

NOTE :1. For RoHS compliant products:

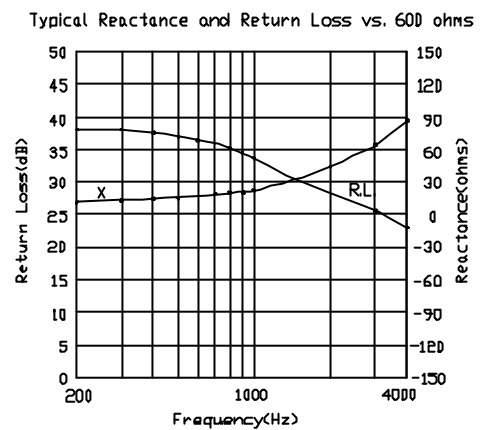
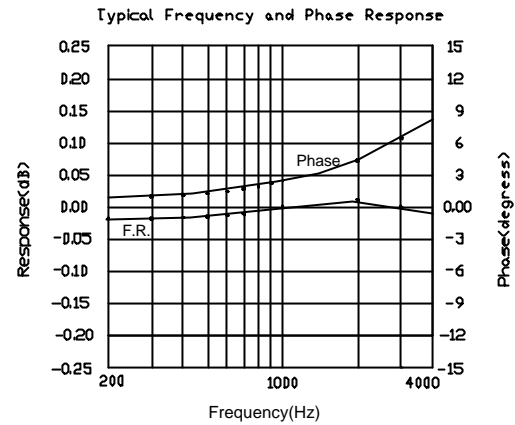
- a.) UMEC Ordering Code: **TG-UT41666**
- b.) Date Code suffix to "G" (xxxxG).
- c.) Solder: Sn/ Cu.

2. Specifications are subject to change without prior notice.

## SCHEMATIC DIAGRAMS & DIMENSIONS :



## TYPICAL GRAPHS :



## SPICE TRANSMISSION MODEL

