

Modem Coupling Transformer – UT41612

ELECTRICAL SPECIFICATIONS AT 25°C :

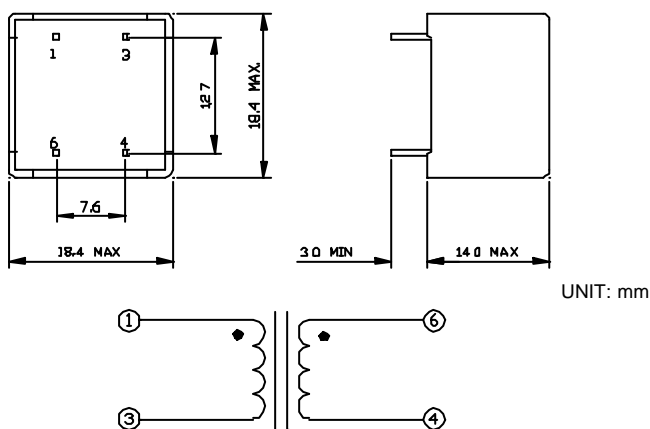
- *Impedance : Designed to reflect 600ohms on PRI.
with 560ohms on SEC.
- *Turns Ratio : 1:1 ±2%
- *D.C.Current in PRI. : None.
- *D.C.Resistance : PRI.: 64Ω~72.5Ω
SEC.: 64Ω~72.5Ω
- *Dielectric Test : 3750Vac , PRI. to SEC.
- *Insertion Loss : 1.5dB max. , at 2KHz 0dBm.
- *Frequency Response : ±0.2dB ,@ 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

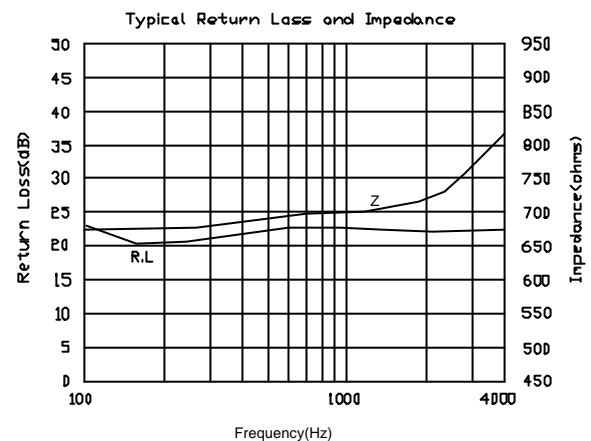
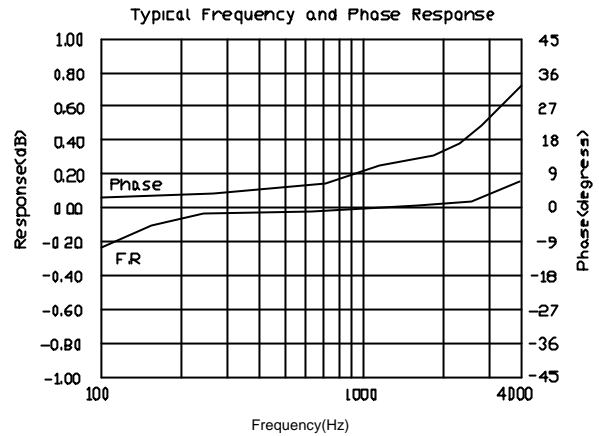
VDE Ref Certificate number : 131235ÜG

- NOTE : 1. For RoHS compliant products:
- a.) The UMEC ordering code: **TG-UT41612**
 - 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 :

