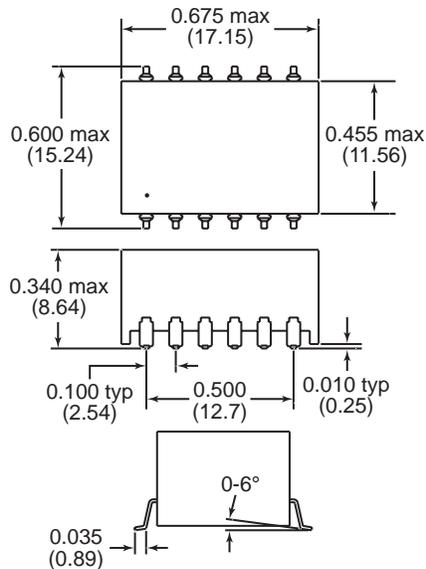


HALO Electronics has developed this standard series of Reinforced Insulation, 3.75KV isolation voltage Line Interface Modules. This 12 pin SMD series provides the isolation and impedance match requirements for T1, E1 CEPT and PRI ISDN applications. Non-standard designs are also available. This series has been designed to meet the requirements of UL for reinforced insulation applications. Please contact the factory for recognition status.



NC Package

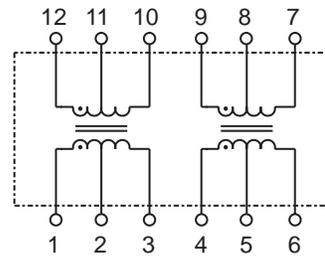


DIMENSIONS : Inch(mm)
CO-PLANARITY : 0.004(0.102)

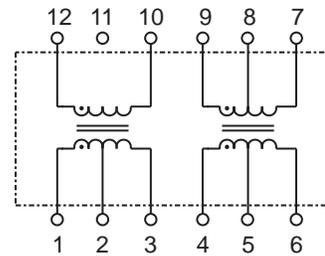
Patented Construction

US Patents: 5,656,985
6,297,721 B1
6,297,720 B1
6,320,489 B1
6,344,785 B1

Schematic A



Schematic B



Electrical Specifications @ 25°C

Isolation Voltage: 3,750 Vrms
PRI OCL: 1.5mH Typ.
Leakage Inductance: 0.8µH Max.
PRI DCR: 0.9Ω Max.
Crosstalk (0.1- 10 MHz): -60dB Typ.
Temperature Range: (-40°C to +85°C)

| Part Number | Schematic | Turns Ratio PRI : SEC (±2%) | Cw/w (pF max) | Primary Pins |
|--------------|-----------|--------------------------------|------------------|-----------------|
| TGR04-3755NC | A | 1CT:1CT & 1CT:1CT | 25 | 1-3 & 4-6 |
| TGR23-3755NC | A | 1CT:2.42CT & 1CT:2.42CT | 25 | 1-3 & 4-6 |
| TGR24-S401NC | A | 1CT:1.36CT & 1CT:1.36CT | 25 | 12-10 & 4-6 |
| TGR26-3755NC | A | 1CT:2CT & 1CT:2CT | 25 | 12-10 & 4-6 |
| TGR27-3755NC | A | 1CT:2CT & 1CT:1.36CT | 25 | 12-10 & 4-6 |
| TGR28-3755NC | A | 1CT:1CT & 1CT : 1.36CT | 25 | 12-10 & 4-6 |
| TGR35-3755NC | A | 1CT:1.15CT & 1CT:1CT | 25 | 12-10 & 4-6 |
| TGR38-3755NC | A | 1CT:1.15CT & 1CT:1.15CT | 25 | 1-3 & 4-6 |
| TGR42-3755NC | A | 1CT:1.41CT & 1CT:1.41CT | 25 | 12-10 & 4-6 |
| TGR63-3755NC | B | 1:1.15CT & 1CT:2CT | 25 | 12-10 & 4-6 |
| TGR64-3755NC | A | 1CT:1:1.26 & 1CT:2CT | 25 | 12-10 & 4-6 |
| TGR74-3755NC | A | 1CT:1CT & 1CT : 2CT | 25 | 12-10 & 4-6 |