

T1/E1 Isolation Modules

SMD Dual Channel T1/E1 Transformer

HALO
ELECTRONICS, INC.



Product Features:

- T1/E1/CEPT/ISDN-PR
- UL/EN60950 Recognized
- DEMKO Recognized
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

| Part Number | Circuit | Temp. Range | Turns Ratio ($\pm 2\%$) PRI : SEC | | Package Height (max) | PRI OCL (typ) | Primary Pins |
|---------------|---------|--------------|--|------------|----------------------|---------------|--------------|
| TG08-1205N1LF | A | 0 to 70°C | 1CT:2CT | 1CT:2CT | 0.2" (5.08) | 1.2mH | 1-3 & 6-8 |
| TG24-1205N1LF | A | 0 to 70°C | 1CT:1.36CT | 1CT:1.36CT | 0.2" (5.08) | 1.2mH | 16-14 & 6-8 |
| TG26-1205N1LF | A | 0 to 70°C | 1CT:2CT | 1CT:2CT | 0.2" (5.08) | 1.2mH | 16-14 & 6-8 |
| TG27-1205N1LF | A | 0 to 70°C | 1CT:2CT | 1CT:1.36CT | 0.2" (5.08) | 1.2mH | 16-14 & 6-8 |
| TG38-1205N1LF | A | 0 to 70°C | 1CT:1.15CT | 1CT:1.15CT | 0.2" (5.08) | 1.2mH | 1-3 & 6-8 |
| TG42-1205N1LF | A | 0 to 70°C | 1CT:1.41CT | 1CT:1.41CT | 0.2" (5.08) | 1.2mH | 16-14 & 6-8 |
| TG48-1205N1LF | B | 0 to 70°C | 1CT:2CT | 1:1 | 0.2" (5.08) | 1.2mH | 1-3 & 6-8 |
| TG63-1205N1LF | C | 0 to 70°C | 1:1.15CT | 1CT:2CT | 0.2" (5.08) | 1.2mH | 16-14 & 6-8 |
| TG64-1205N1LF | C | 0 to 70°C | 1:1:1.26 | 1CT:2CT | 0.2" (5.08) | 1.2mH | 16-14 & 6-8 |
| TG73-1205N5LF | A | 0 to 70°C | 1CT:2.3CT | 1CT:1CT | 0.250" (6.35) | 1.2mH | 16-14 & 6-8 |
| TG74-1205N1LF | A | 0 to 70°C | 1CT:1CT | 1CT:2CT | 0.2" (5.08) | 1.2mH | 16-14 & 6-8 |
| TG80-1205N5LF | A | 0 to 70°C | 1CT:2.45CT | 1CT:2.45CT | 0.250" (6.35) | 1.2mH | 16-14 & 6-8 |
| TG08-1505N5LF | A | -40 to +85°C | 1CT:2CT | 1CT:2CT | 0.250" (6.35) | 1.5mH | 1-3 & 6-8 |
| TG23-1505N5LF | D | -40 to +85°C | 1:2.42CT | 1:2.42CT | 0.250" (6.35) | 1.5mH | 1-3 & 6-8 |
| TG24-1505N5LF | A | -40 to +85°C | 1CT:1.36CT | 1CT:1.36CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG26-1505N5LF | A | -40 to +85°C | 1CT:2CT | 1CT:2CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG27-1505N5LF | A | -40 to +85°C | 1CT:2CT | 1CT:1.36CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG38-1505N5LF | A | -40 to +85°C | 1CT:1.15CT | 1CT:1.15CT | 0.250" (6.35) | 1.5mH | 1-3 & 6-8 |
| TG42-1505N5LF | A | -40 to +85°C | 1CT:1.41CT | 1CT:1.41CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG48-1505N5LF | B | -40 to +85°C | 1CT:2CT | 1:1 | 0.250" (6.35) | 1.5mH | 1-3 & 6-8 |
| TG63-1505N5LF | C | -40 to +85°C | 1:1.15CT | 1CT:2CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG64-1505N5LF | C | -45 to +85°C | 1:1:1.26 | 1CT:2CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG73-1505N5LF | A | -40 to +85°C | 1CT:2.3CT | 1CT:1CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG74-1505N5LF | A | -40 to +85°C | 1CT:1CT | 1CT:2CT | 0.250" (6.35) | 1.5mH | 1-3 & 6-8 |
| TG80-1505N5LF | A | -40 to +85°C | 1CT:2.45CT | 1CT:2.45CT | 0.250" (6.35) | 1.5mH | 16-14 & 6-8 |
| TG91-1505N5LF | A | -40 to +85°C | 1CT:2.4CT | 1CT:1CT | 0.250" (6.35) | 1.5mH | 1-3 & 6-8 |

For additional information contact your [local representative](#), or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

HALO Dual Channel T1/E1 Transformer

Circuit A



Circuit B



Circuit C



Circuit D



Mechanical



Recommended Solder Pad Layout

Dimensions: inch [mm]
Co-Planarity: 0.004 [0.10]



Patented Construction

US Patent Numbers:

5,656,985 6,297,721 B1

6,297,720 B1 6,320,489 B1

6,344,785 B1 6,662,431 B1

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