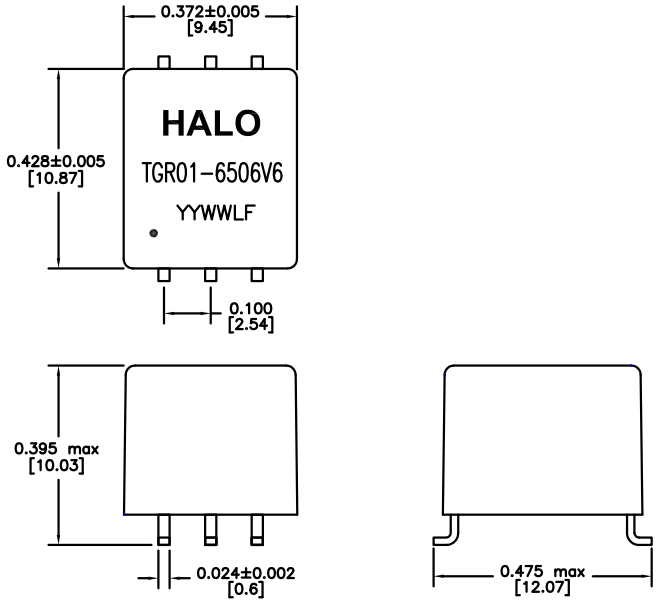
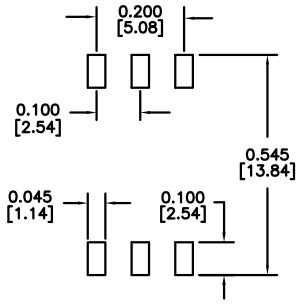
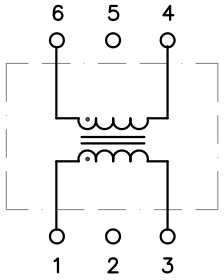



DIMENSIONS: Inch [mm]
CO-PLANARITY: 0.004 [0.10]
TOLERANCES: ±0.005 INCH IF NOT SPECIFIED




RECOMMENDED SOLDER PAD DIM




# PART NUMBER: TGR01-6506V6LF

SMD ISOLATION TRANSFORMER

COMPATIBLE TO AUTOMOTIVE VERSION – TGR01-A6506NA6NL

LEAD-FREE/RoHS COMPLIANT

COMPATIBLE TO LEAD-FREE SOLDERING PROCESS CONDITION PER IPC/JEDEC J-STD-020C

UL60950 RECOGNIZED REINFORCED INSULATION FILE: E177065

OPERATING TEMPERATURE -45/+125°C

## ELECTRICAL SPECIFICATIONS @25°C

| | |
|---|---|
| TURNS RATIO P1-3:P6-4 | 1:1 ±2% |
| OCL P1-3 | 500µH nom |
| DCR P1-3 | 0.8Ω max |
| Cw/w | 25pF max |
| LL P1-3 | 0.6µH max |
| ISOLATION | 3,000Vrms |

HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

| | | | |
|---|---|---|---|
| TITLE | ISOLATION TRANSFORMER | | |
| FOR | DATA LINE | | |
| PART NO. | TGR01-6506V6LF | | |
| SCALE | NONE | PAGE | 1 OF 1 |

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN | LI ZHI ZHONG | 3/25/13 |
| CHECKED | LEI KEONG | 8/7/15 |
| APPROVED | PETER LU | 8/7/15 |
| FILE | 6506V6LF.DWG | |

| REV. | DESC. | DATE |
|---|---|---|
| A | FIRST ISSUE | 3/25/13 |
| B | REV. P/N – NL | 5/21/13 |
| C | PROD. RELEASE | 5/25/15 |
| D | UPDATE OP. TEMP. | 8/7/15 |