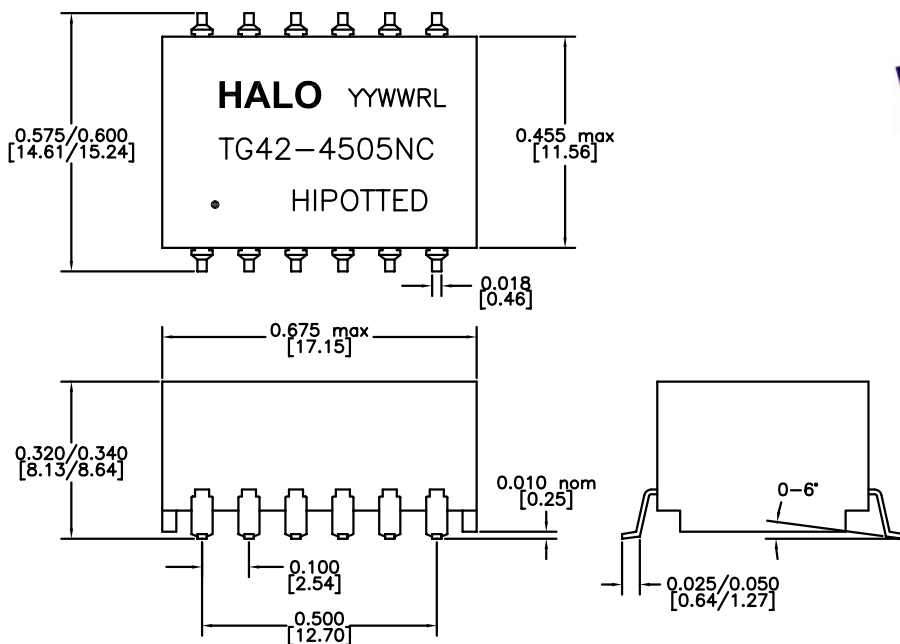
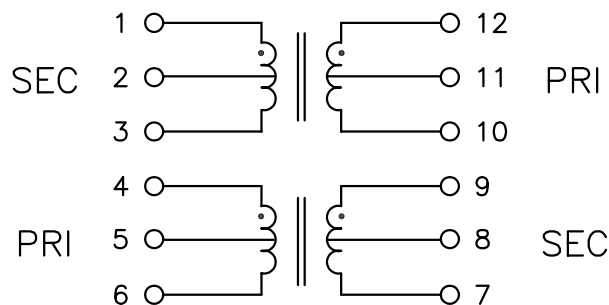




DIMENSIONS: Inch [mm]  
CO-PLANARITY: 0.004 [0.10]  
TOLERANCES:  $\pm 0.005$  INCH IF NOT SPECIFIED



## PART NO. : TG42-4505NCRL

T1/E1 TRANSFORMER MODULE  
12PIN SURFACE MOUNT PACKAGE  
LEAD-FREE/RoHS COMPLIANT  
COMPATIBLE TO LEAD-FREE SOLDERING PROCESS  
CONDITION PER IPC/JEDEC J-STD-020C  
REINFORCED INSULATION, 4.5KV  
EXTENDED OPERATING TEMPERATURE  $-40/+85^{\circ}\text{C}$

## ELECTRICAL SPECIFICATIONS @25° C

URNS RATIO  
P12-10:P1-3 1CT:1.41CT  $\pm 2\%$   
P4-6:P9-7 1CT:1.41CT  $\pm 2\%$   
OCL (PRI) 1.5mH typ  
DCR (PRI) 0.9 $\Omega$  max  
Cw/w 35pF max  
LL (PRI) 0.8 $\mu\text{H}$  max  
CROSSTALK 0.5-5MHz -60dB typ  
ISOLATION 4,500Vrms

**HALO/PBL**

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

| TITLE    | ISOLATION TRANSFORMER | SIGNATURES        | DATE    | REV. | DESC. | DATE |
|----------|-----------------------|-------------------|---------|------|-------|------|
| FOR      | T1/E1 (1CT:1.41CT)    | DRAWN PETER LU    | 8/31/05 | A    |       |      |
| PART NO. | TG42-4505NCRL         | CHECKED           |         |      |       |      |
| SCALE    | NONE                  | APPROVED          |         |      |       |      |
| PAGE     | 1 OF 1                | FILE 4505NCRL.DWG |         |      |       |      |