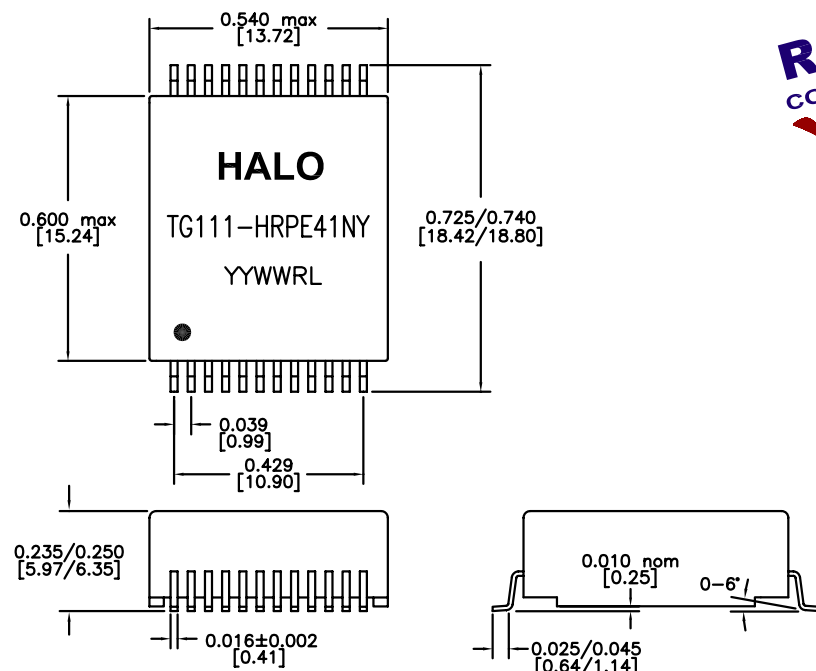
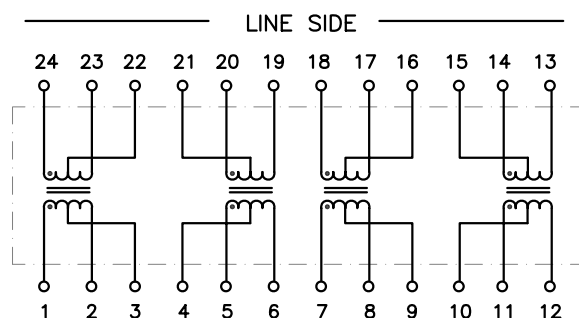




DIMENSIONS: Inch [mm]
CO-PLANARITY: 0.004 [0.10]
TOLERANCES: ±0.005 IF NOT SPECIFIED



PART NO.: TG111-HRPE41NYRL

ONE-PORT GIGABIT OR DUAL-PORT FAST ETHERNET
MAGNETICS COMPLIANT WITH IEEE802.3 REQUIREMENTS

1A CURRENT CARRYING CAPACITY PER PAIR ON LINE-SIDE
(500mA PER WIRE) FOR HIGH POWER PoE APPLICATIONS

RoHS COMPLIANT

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

UL/EN60950 AND DEMKO RECOGNIZED

EXTENDED OPERATING TEMPERATURE -40/+55°C

ELECTRICAL SPECIFICATIONS @ 25° C

URNS RATIO 1CT:1CT±2%

OCL (100KHz,0.1Vrms,8mA) 350µH min

UNBALANCED DC CURRENT 13mA max*

DCR P14-13,P18-17,P20-19,P24-23 0.6Ω max

INSERTION LOSS 1-100MHz -1.1dB max

RETURN LOSS 1-40MHz -18dB min
60MHz -14dB min
80MHz -12dB min
100MHz -10dB min

CROSSTALK 1-100MHz -40dB typ

ISOLATION 1,500Vrms

* MAXIMUM DC CURRENT ALLOWED TO MAINTAIN OCL OF 350µH(TYP)
OVER OPERATING TEMPERATURE



HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE ISOLATION MODULE

FOR HIGH POWER PoE APPL.

PART NO. TG111-HRPE41NYRL

SCALE NONE

PAGE 1 OF 1

SIGNATURES

DATE

REV.

DESC.

DATE

DRAWN PETER LU

10/8/07

A

FIRST ISSUE

10/8/07

CHECKED LEI KEONG

10/16/09

B

UPDATE SPEC.

11/8/07

APPROVED PETER LU

10/16/09

C

REVISE OP. TEMP.

1/28/08

FILE HRPE41NYRL.DWG

D

PROD. RELEASE

10/16/09