



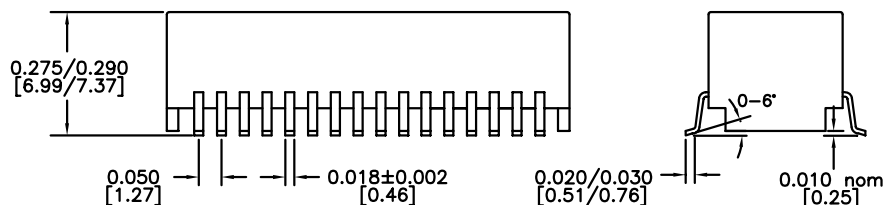
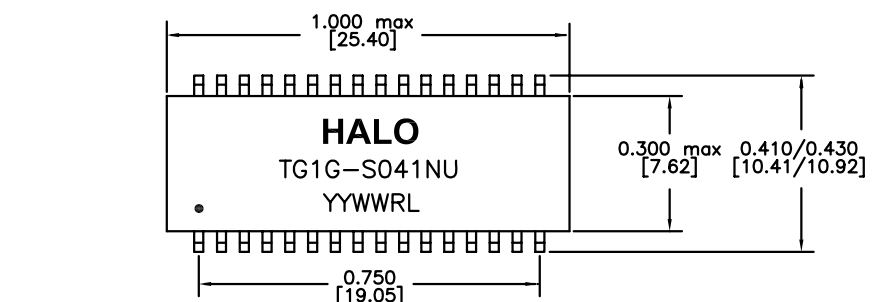
PART NO. : TG1G-S041NURL

32PIN SMT 1-PORT 1000BASE-T MAGNETICS
DESIGNED TO MEET REQUIREMENTS OF IEEE802.3ab
STANDARDS FOR GIGABIT APPLICATIONS

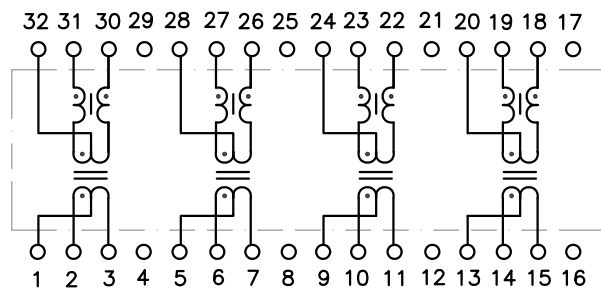
RoHS COMPLIANT

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

OPERATING TEMPERATURE 0/+70°C



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



ELECTRICAL SPECIFICATIONS @25° C

OCL (100KHz,0.1Vrms,8mA)	350μH min *
TURNS RATIO	1CT:1CT ±2%
DCR (PRI)	0.9Ω 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
CMR 1-100MHz	-40dB typ
ISOLATION	1,500Vrms

* MINIMUM OCL OVER 0-70°C



HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE ISOLATION MODULE

FOR 1000BASE-T

PART NO. TG1G-S041NURL

SCALE NONE

PAGE 1 OF 1

SIGNATURES

DRAWN LI ZHI ZHONG

CHECKED LEI KEONG

APPROVED PETER LU

FILE S041NURL.DWG

DATE

5/25/05

9/14/10

9/14/10

REV.

A

B

C

DESC.

FIRST ISSUE

PROD. RELEASE

REVISE MARKING

DATE

5/25/05

9/25/06

9/14/10