



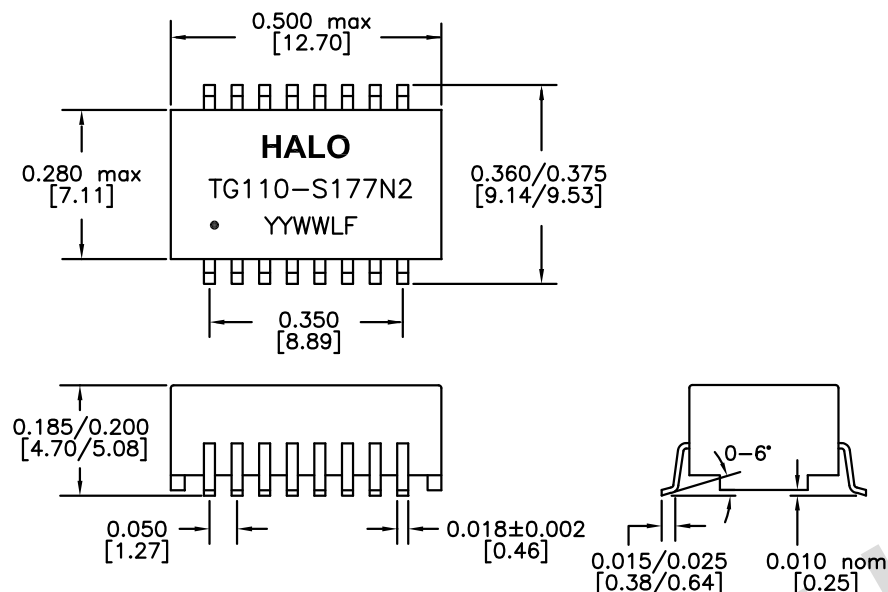
PART NO. : TG110-S177N2LF

16PIN SMT 10/100BASE-TX ISOLATION MODULE
FOR IEEE802.3u APPLICATIONS

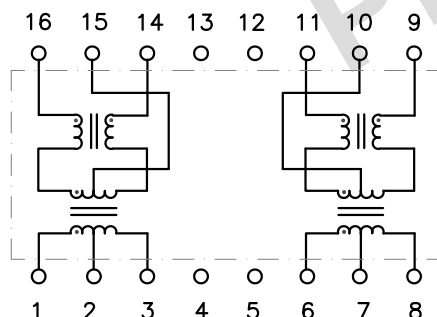
Pb-FREE/RoHS COMPLIANT

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

URNS RATIO

P1-3:P16-14

1.41CT:1CT ±3%

P6-8:P11-9

1.41CT:1CT ±3%

OCL (100KHz,0.1Vrms,8mA)

P1-3,P6-8

350μH min

DCR P1-3,P6-8

0.9Ω max

LL P1-3,P6-8

0.6μH max

Cw/w

30pF max

RETURN LOSS

0.5-30MHz

-18dB min

40MHz

-15dB min

50MHz

-13dB min

60-80MHz

-10dB min

CROSSTALK 0.1-100MHz

-40dB typ

CMR 0.1-100MHz

-40dB typ

ISOLATION

1,500Vrms



HALO/PBL

TITLE TRANSFORMER "ULTRA" SERIES

FOR FAST ETHERNET

PART NO. TG110-S177N2LF

SCALE NONE

PAGE 1 OF 1

SIGNATURES

DRAWN LI ZHI ZHONG

DATE

7/10/12

REV.

A

DESC.

FIRST ISSUE

DATE

7/10/12

CHECKED LEI KEONG

7/10/12

APPROVED PETER LU

7/10/12

FILE

S177N2LF.DWG

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE