



PART NO. : TG22-S012NDRL

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

LEAD-FREE/RoHS COMPLIANT

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

OPERATING TEMPERATURE 0/+70°C

ELECTRICAL SPECIFICATIONS @25° C

TURN RATIO

TX P1-2:P8-7

1CT:1CT ±3%

RX P16-15:P9-10

1CT:1CT ±3%

OCL (100KHz,0.1Vrms,8mA)

350µH min

DCR P1-2,P9-10

0.9Ω max

LL (1MHz)

0.4µH max

Cw/w

15pF typ

INSERTION LOSS

0.1-100MHz

-1.1dB max

RETURN LOSS

0.5-30MHz

-18dB min

40MHz

-15.5dB min

50MHz

-13.6dB min

60-80MHz

-12dB min

CROSSTALK 0.1-100MHz

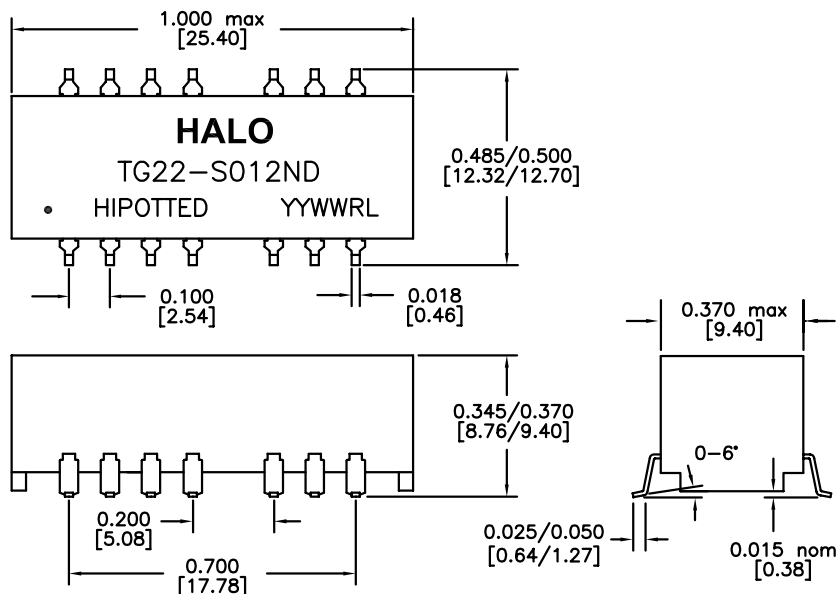
-38dB min

TX CMR 0.1-100MHz

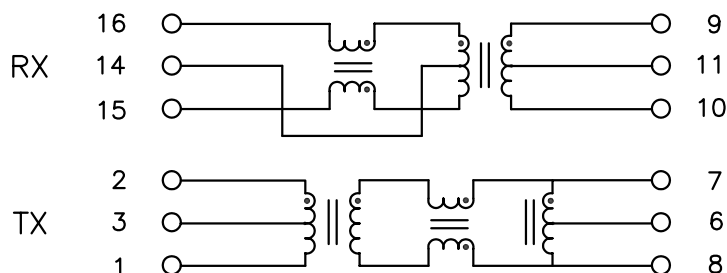
-45dB typ

ISOLATION

1,500Vrms



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



HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE TRANSFORMER MODULE

FOR 10/100BASE-TX

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SCALE NONE

PAGE 1 OF 1

SIGNATURES

DRAWN PETER LU

CHECKED

APPROVED

FILE S012NDRL.DWG

DATE

11/22/05

REV.

B

DESC.

REVISED DCR SPEC

DATE

12/21/05