

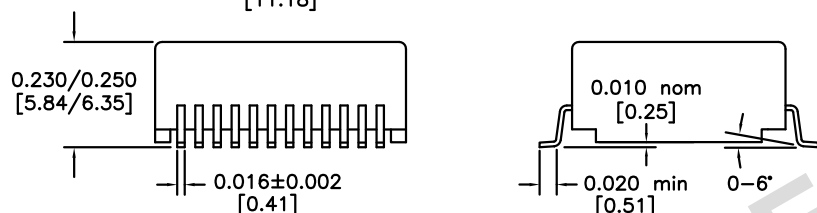
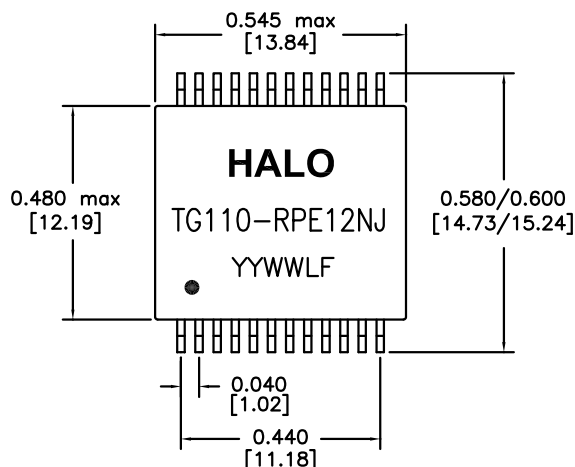


PART NO. TG110-RPE12NJLF

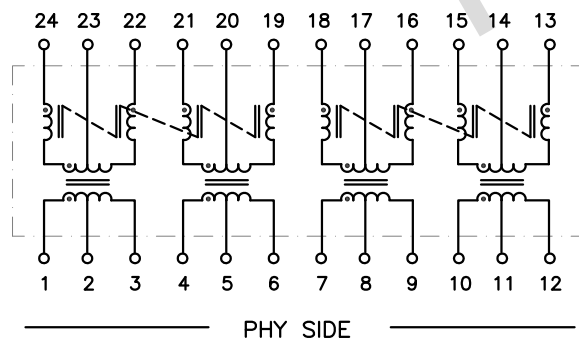
FAST OR GIGABIT ETHERNET ISOLATION MODULE
COMPLIANT WITH IEEE802.3 REQUIREMENTS
350mA CURRENT CARRYING CAPACITY ON LINE-SIDE
FOR PoE APPLICATIONS
LEAD-FREE/RoHS COMPLIANT
COMPATIBLE TO LEAD-FREE SOLDERING PROCESS
CONDITION PER IPC/JEDEC J-STD-020C
EXTENDED OPERATING TEMPERATURE -40/+85°C

ELECTRICAL SPECIFICATIONS @ 25°C

Turns Ratio	1CT:1CT ±2%
OCL (100kHz,0.1V,8mADC)	350µH min
DCR PHY SIDE	1.0Ω 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	-38dB typ
CMR 1-100MHz	-38dB 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	ISOLATION MODULE
FOR	FAST/GIGABIT ETHERNET, PoE
PART NO.	TG110-RPE12NJLF
SCALE	NONE
PAGE	1 OF 1

SIGNATURES	DATE	REV.	DESC.	DATE
DRAWN LI ZHI ZHONG	12/4/14	A	FIRST ISSUE	12/4/14
CHECKED LEI KEONG	12/4/14			
APPROVED PETER LU	12/4/14			
FILE RPE12NJLF.DWG				

