



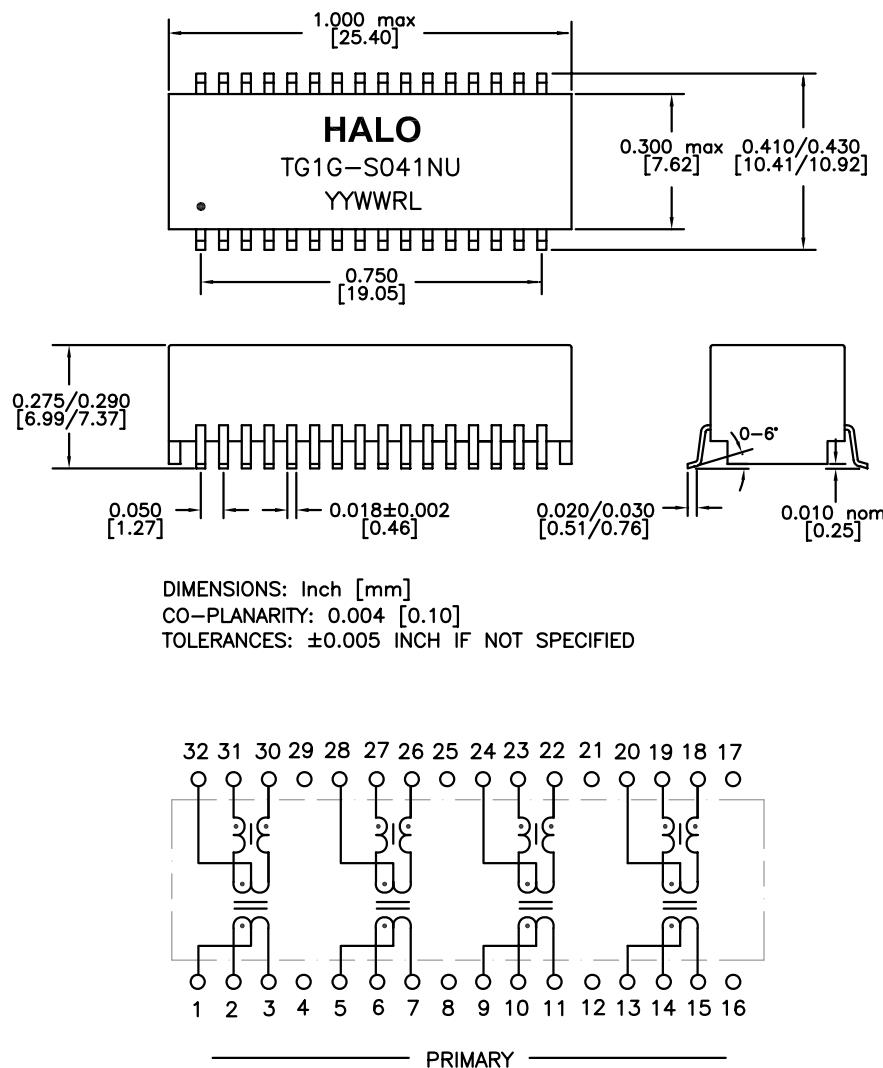
## PART NO. : TG1G-S041NURL

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



## ELECTRICAL SPECIFICATIONS @25° C

OCL (100KHz,0.1Vrms,8mA)	350µH min *
URNS 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	TITLE		ISOLATION MODULE		SIGNATURES		DATE	REV.	DESC.	DATE	
	FOR	1000BASE-T		DRAWN	LI ZHI ZHONG	5/25/05	A	FIRST ISSUE	5/25/05		
CALIFORNIA, USA KOWLOON, HONG KONG SINGAPORE	PART NO.		TG1G-S041NURL		CHECKED	LEI KEONG	9/14/10	B	PROD. RELEASE	9/25/06	
	SCALE	NONE	PAGE	1 OF 1		APPROVED	PETER LU	9/14/10	C	REVISE MARKING	9/14/10
FILE		S041NURL.DWG									

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[HALO Electronics:](#)

[TG1G-S041NURLTR](#) [TG1G-S041NURL](#)