



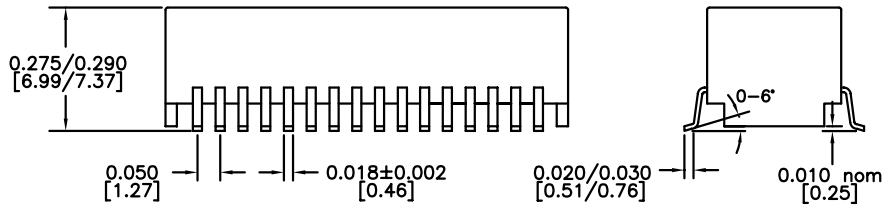
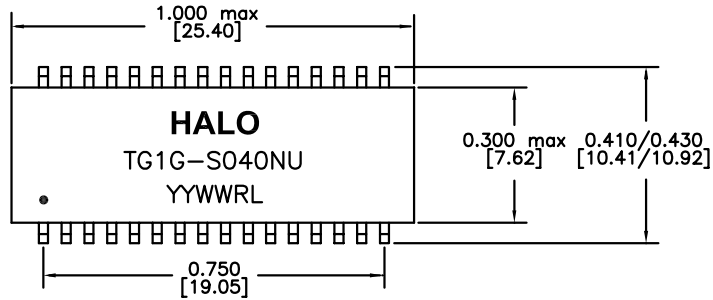
**PART NO. : TG1G-S040NURL**

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

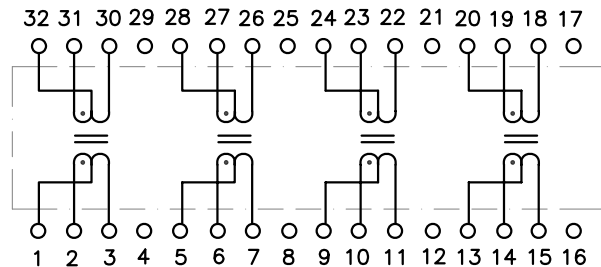
RoHS COMPLIANT

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*
URNS RATIO	1CT:1CT ±2%
DCR	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
ISOLATION	1,500Vrms

\* MINIMUM OCL OVER 0-70°C



**HALO/PBL**

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

TITLE	ISOLATION MODULE		SIGNATURES	DATE	REV.	DESC.	DATE
FOR	1000BASE-T		DRAWN	LI ZHI ZHONG	5/25/05	A	FIRST ISSUE
PART NO.	TG1G-S040NURL		CHECKED	LEI KEONG	9/14/10	B	PROD. RELEASE
SCALE	NONE	PAGE	APPROVED	PETER LU	9/14/10	C	REVISE MARKING
			FILE	S040NURL.DWG			