



PART NO. : TG111-RP39NJRL

SINGLE-PORT GIGABIT OR DUAL-PORT FAST ETHERNET
 COMPLIANT WITH IEEE802.3u/ab/af REQUIREMENTS
 350mA CURRENT CARRYING CAPACITY ON EITHER
 TRANSFORMER OR CHOKE SIDE FOR PoE APPLICATIONS

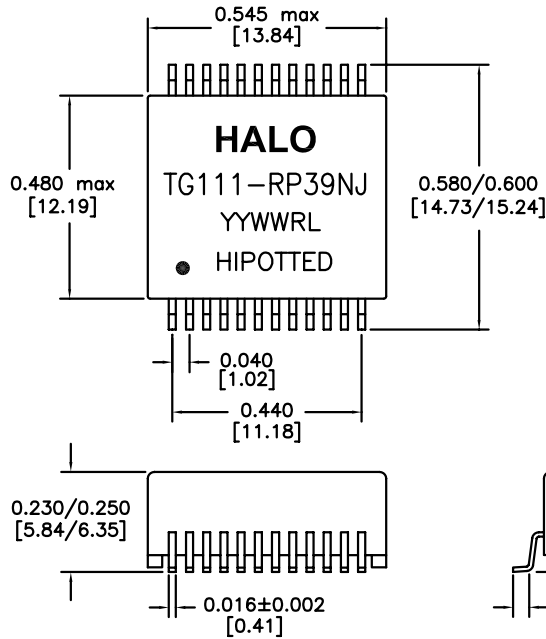
RoHS COMPLIANT

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

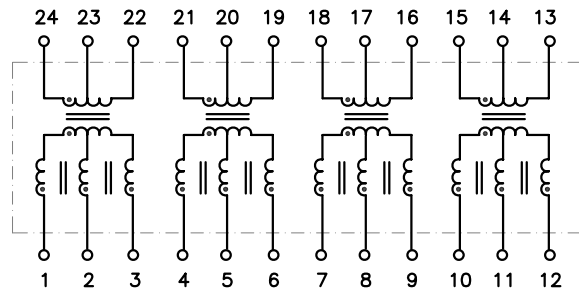
OPERATING TEMPERATURE 0/70°C

ELECTRICAL SPECIFICATIONS @ 25° C

TURNS RATIO	1CT:1CT ±2%
ACL (100KHz,0.1Vrms,8mA)	350µH min
DCR (TRANSFORMER SIDE)	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	-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		SIGNATURES		DATE	REV.	DESC.	DATE	
	FOR	PoE APPLICATIONS	DRAWN	PETER LU	4/19/06	B	CORRECT MARKING	8/9/06	
	PART NO.	TG111-RP39NJRL	CHECKED	LEI KEONG	11/8/07	C	UPDATE PoE APP NOTE	10/2/06	
	SCALE	NONE	APPROVED	PETER LU	11/8/07	D	UPDATE DCR TEST POS.	10/6/06	
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