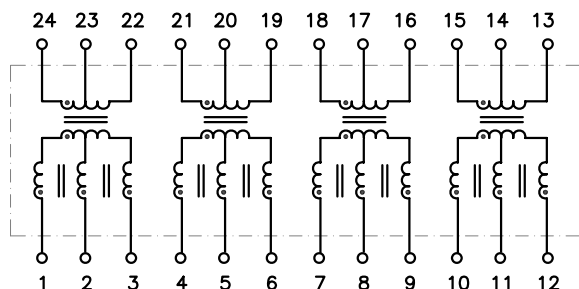


DIMENSIONS: Inch [mm]  
CO-PLANARITY: 0.004 [0.10]  
TOLERANCES: ±0.005 INCH IF NOT SPECIFIED



## PART NO. : TG111-RP39NYRL

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

URNS 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



# HALO/PBL

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

TITLE		ISOLATION MODULE		SIGNATURES	DATE	REV.	DESC.	DATE
FOR		PoE APPLICATIONS		DRAWN PETER LU	10/6/06	A	FIRST ISSUE	10/6/06
PART NO.		TG111-RP39NYRL		CHECKED LEI KEONG	11/8/07	B	PROD. RELEASE	11/8/07
SCALE		NONE	PAGE 1 OF 1	APPROVED PETER LU	11/8/07			
				FILE RP39NYRL.DWG				

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