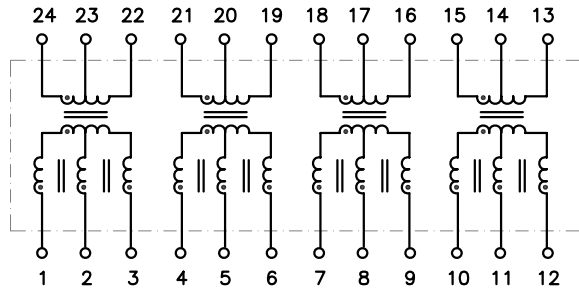


DIMENSIONS: Inch [mm]  
 CO-PLANARITY: 0.004 [0.10]  
 TOLERANCES: ±0.005 INCH IF NOT SPECIFIED



**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**

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	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
	PAGE	1 OF 1	FILE	RP39NJRL.DWG		E	PROD. RELEASE	11/8/07					