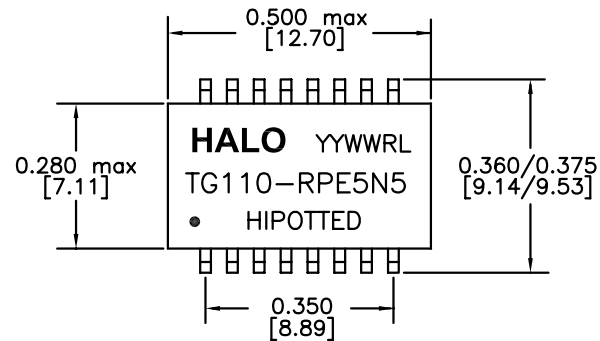




PART NO. : TG110-RPE5N5RL

FAST ETHERNET 10/100BASE-TX MAGNETICS
COMPLIANT WITH IEEE802.3af REQUIREMENTS

350mA DC CURRENT CARRYING CAPACITY
ON LINE SIDE FOR PoE APPLICATIONS

RoHS COMPLIANT

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

EXTENDED OPERATING TEMPERATURE -40/+85°C

ELECTRICAL SPECIFICATIONS @25° C

URNS RATIO

P1-3:P16-14

1CT:1CT±3%

P6-8:P11-9

1CT:1CT±3%

OCL (100KHz,0.1Vrms,8mADC)

P1-3,P6-8

350μH min*

DCR P1-3,P6-8

1.0Ω max

LL P1-3,P6-8

0.4μH max

Cw/w

25pF typ

INSERTION LOSS

0.1-100MHz

-1.1dB max

RETURN LOSS

0.5-30MHz

-18dB min

40MHz

-16dB min

50MHz

-13dB min

60-80MHz

-12dB min

CROSSTALK 0.1-100MHz

-38dB typ

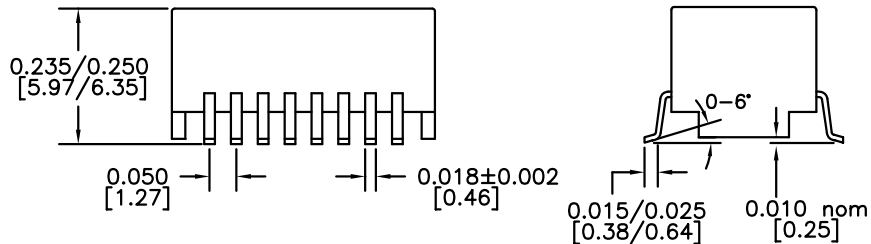
CMR 0.1-100MHz

-38dB typ

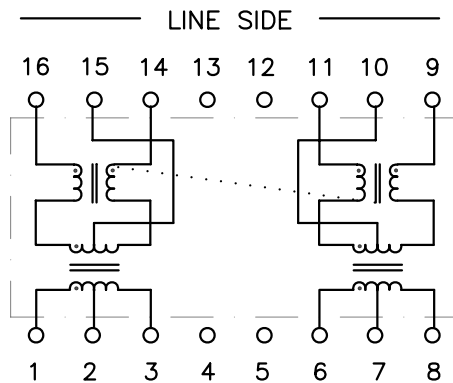
ISOLATION

1,500Vrms

* MINIMUM OCL OVER OPERATING TEMPERATURE



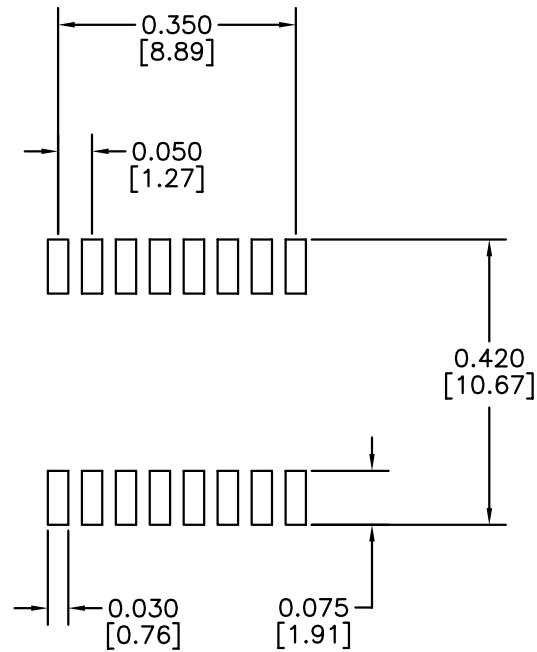
DIMENSIONS: Inch [mm]
CO-PLANARITY: 0.004 [0.10]
TOLERANCES: ±0.005 INCH IF NOT SPECIFIED



HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE	TRANSFORMER MODULE	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	FAST ETHERNET, PoE	DRAWN	PETER LU	4/28/05	A	FIRST ISSUE
PART NO.	TG110-RPE5N5RL	CHECKED	LEI KEONG	10/17/05	B	PROD. RELEASE
SCALE	NONE	APPROVED	PETER LU	10/17/05		
PAGE	1 OF 2	FILE	RPE5N5RL.DWG			



RECOMMENDED SOLDER PAD DIMENSIONS
DIMENSIONS: Inch [mm]

HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE	TRANSFORMER MODULE	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	FAST ETHERNET, PoE	DRAWN PETER LU	4/28/05	A	FIRST ISSUE	4/28/05
PART NO.	TG110-RPE5N5RL	CHECKED LEI KEONG	10/17/05	B	PROD. RELEASE	10/17/05
SCALE	NONE	APPROVED PETER LU	10/17/05			
PAGE	2 OF 2	FILE RPE5N5RL.DWG				