



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

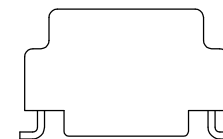
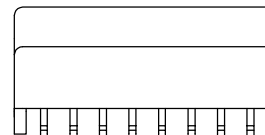
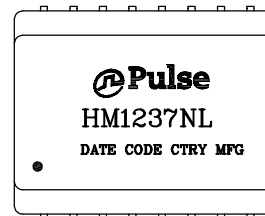
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





NOTES:

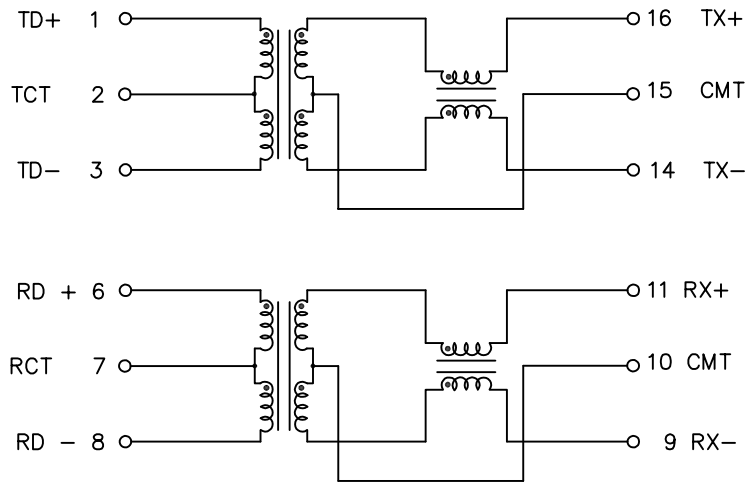
1. ROHS COMPLIANT
2. STORAGE TEMPERATURE: -50°C TO +125°C
3. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
4. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e HXXXXXXNL BECOMES HXXXXXXNLT).



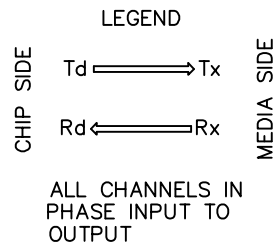
FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
TRANSFORMER/CMC,3.2kVDC ISO,SGL,SM	HM1237NL-10	PS-2755.002-A	1 OF 3	HM1237NL	F



SCHEMATIC



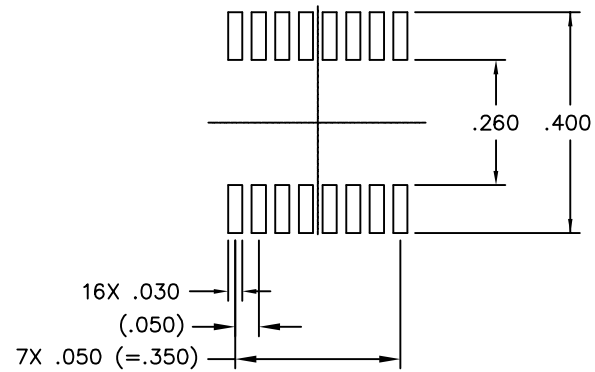
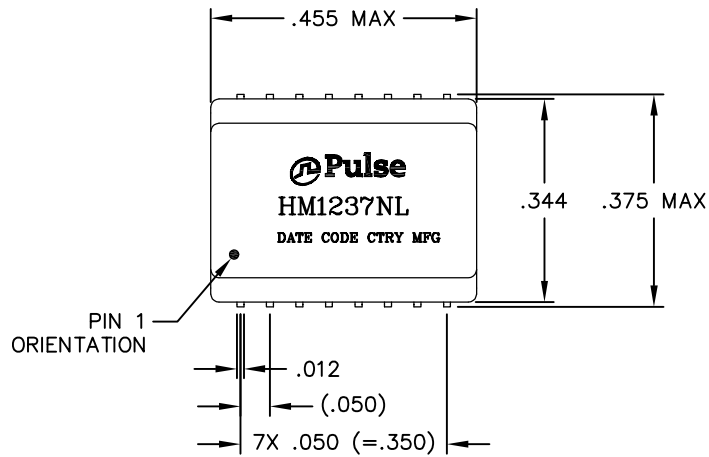
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
QUALIFICATION	AEC-Q200 (PENDING)	
PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C TO +125°C	
TURNS RATIO	1 : 1 \pm 2%	
POLARITY	PER SCHEMATIC	
INDUCTANCE (OCL) 100 KHZ, 100 mVRMS	650 μ H MIN (@25°C) 500 μ H MIN (@-40°C~+125°C)	
INSERTION LOSS	1-80 MHz	125 MHz
	-1.0 dB MAX	-3.0 dB MAX
RETURN LOSS $Z_{OUT} = 100$ OHMS	5 MHz	30-80 MHz
	-25 dB MIN	-16 + 20LOG ₁₀ (f/30 MHz) dB MIN
CROSSTALK (TX-RX)	1 MHz	5-100 MHz
	-62 dB MIN	-45 + 21LOG ₁₀ (f/30 MHz) dB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	5-200 MHz	
	-50 + 17LOG ₁₀ (f/5 MHz) dB MIN	
WORKING VOLTAGE	600 VDC FOR 15 YEARS	
INPUT - OUTPUT ISOLATION	2500 VRMS MINIMUM FOR 60 SECONDS	

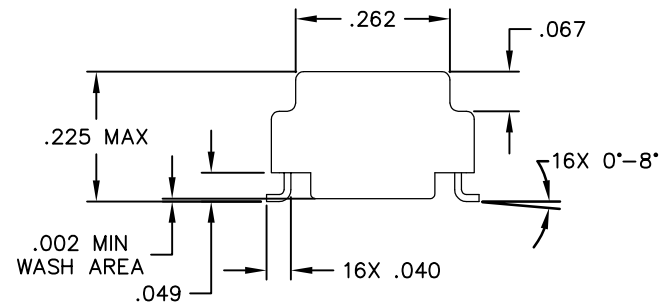
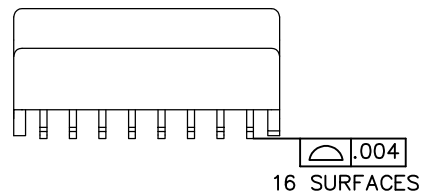
NOTE: f IS FREQUENCY IN MHZ.

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SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES WITH THE FOLLOWING
TOLERANCES:
.XX= ±.01
.XXX= ±.005

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TRANSFORMER/CMC,3.2kVDC ISO,SGL,SM	HM1237NL-10	PS-2755.002-A	3 OF 3	HM1237NL	F