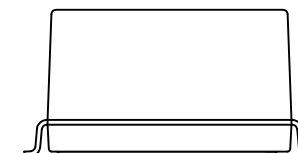
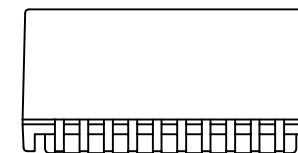
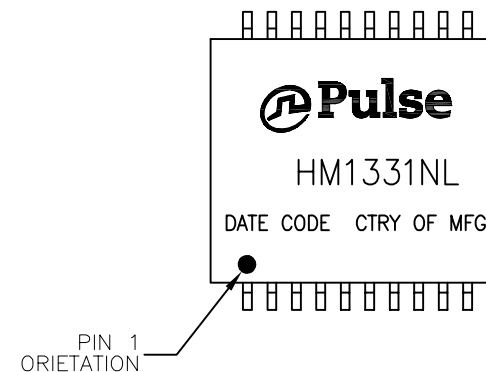


NOTES:

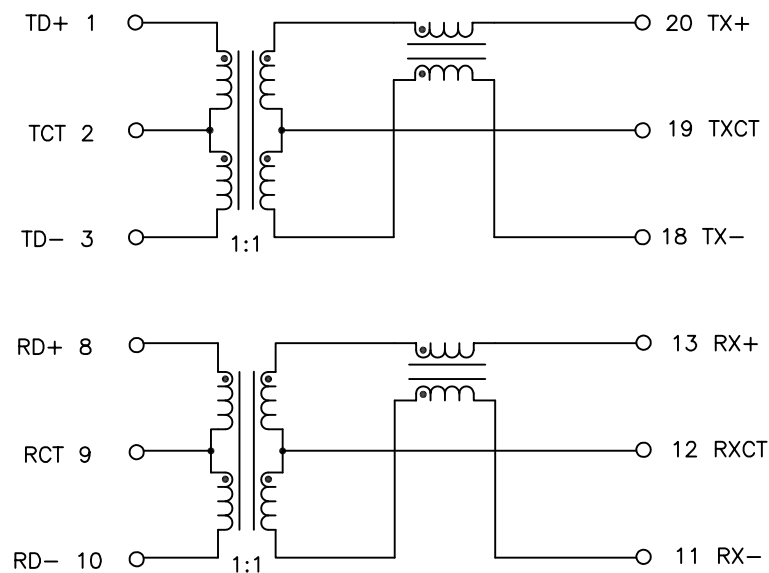
1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
LEADS: UNDERPLATE: 30-50 uINCHES FOR NICKEL
PLATING: 200-500 uINCHES 100% TIN.
3. STORAGE TEMPERATURE: -50°C TO +125°C
4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX
TO THE PART NUMBER(i.e HM1331NL BECOMES HM1331NLT).



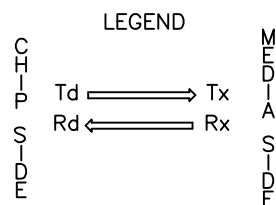
FINAL OUTLINE

© Copyright, 2017. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (05/08/17)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,4KV,SM,TU	HM1331NL-10	PS-0020.001-C	1 OF 3	HM1331NL	D



SCHEMATIC



ALL CHANNELS ARE
IN-PHASE BETWEEN
INPUT AND OUTPUT

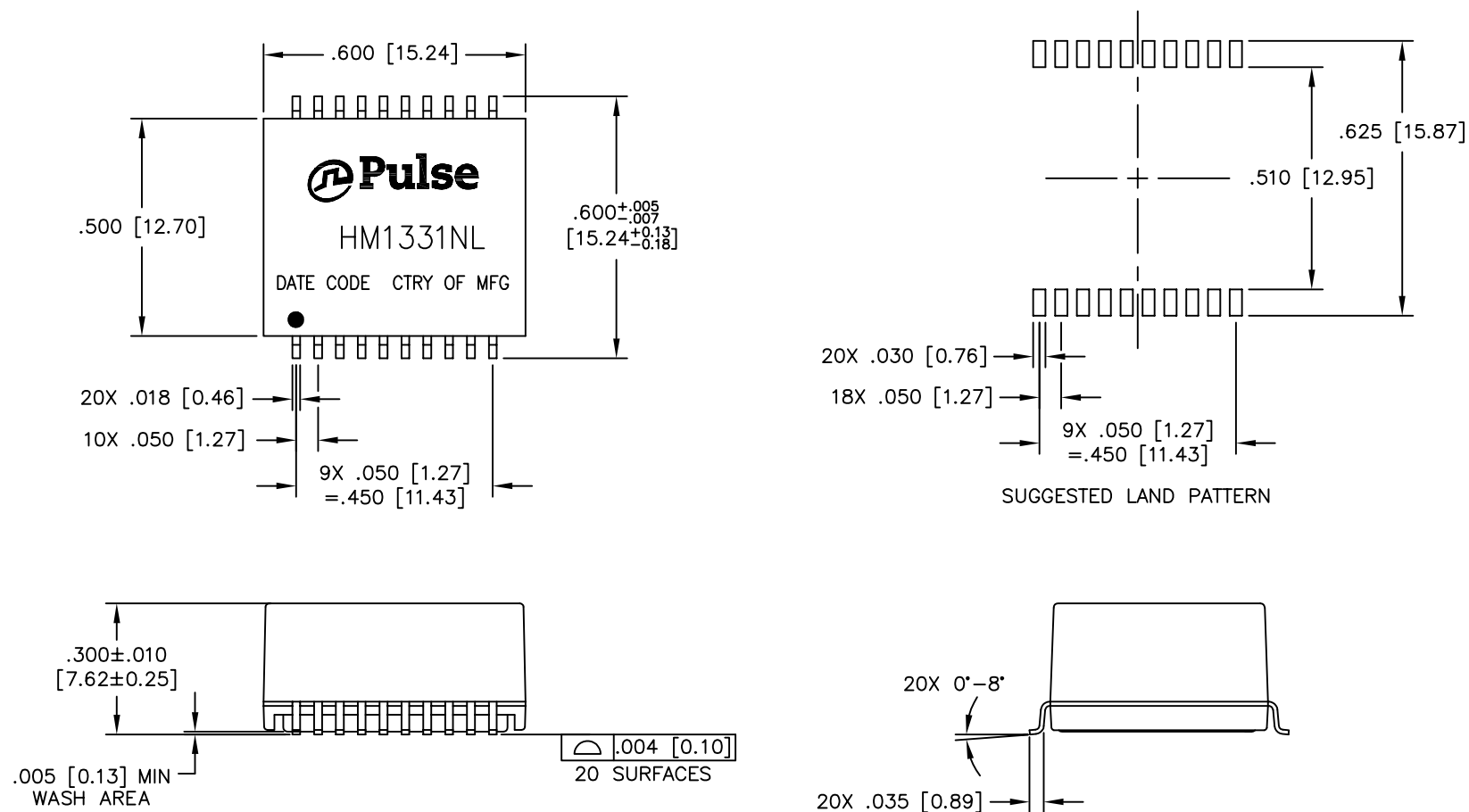
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS											
OPERATION TEMP	-40°C TO +85°C											
URNS RATIO	1 : 1 ±2%											
POLARITY	PER SCHEMATIC											
OCL, TRANSMIT CHANNEL -40 TO +85°C	350 uH MIN. AT 100KHz, 0.1VRMS WITH 8mA DC BIAS											
INSERTION LOSS	0.1-30 KHz		60 MHz		80 MHz		100 MHz					
	-1.0 dB MAX		-2.0 dB MAX		-2.5 dB MAX		-3.5 dB MAX					
RETURN LOSS (Z OUT = 100 OHM ±15%)	5 MHz		30 MHz		50 MHz		60 MHz		80 MHz		100 MHz	
	-18 dB MIN		-9 dB MIN		-6 dB MIN		-5 dB MIN		-3 dB MIN		-2 dB MIN	
CROSSTALK (TX-RX)	1 MHz			30 MHz			60 MHz			100 MHz		
	-45 dB MIN			-30 dB MIN			-27 dB MIN			-25 dB MIN		
DIFFERENTIAL TO COMMON MODE REJECTION	30 MHz			60 MHz			100 MHz			200 MHz		
	-36 dB MIN			-32 dB MIN			-30 dB MIN			-25 dB MIN		
INPUT - OUTPUT ISOLATION	4000 VRMS FOR 1 MINUTE											

© Copyright, 2017. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (05/08/17)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,4KV,SM,TU	HM1331NL-10	PS-0020.001-C	2 OF 3	HM1331NL	D



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.01 [±0.25]
.XXX= ±.005 [±0.13]

© Copyright, 2017. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (05/08/17)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,4KV,SM,TU	HM1331NL-10	PS-0020.001-C	3 OF 3	HM1331NL	D

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[HM1331NL](#) [HM1331NLT](#)