
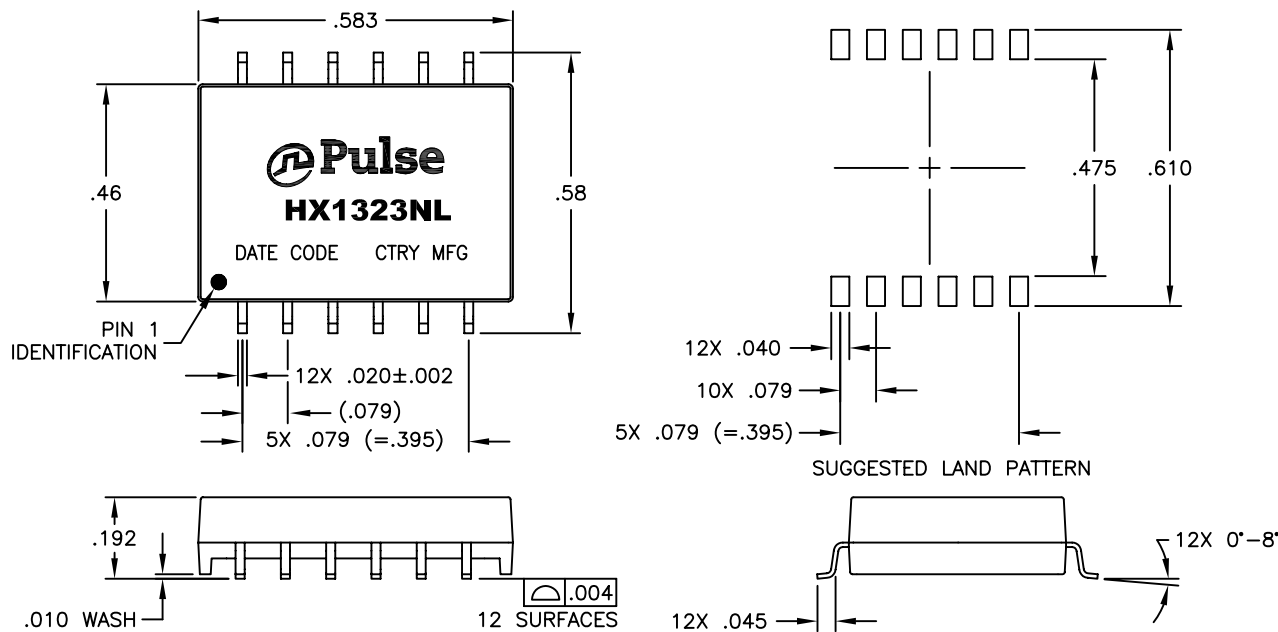


NOTES: UNLESS OTHERWISE SPECIFIED

1.

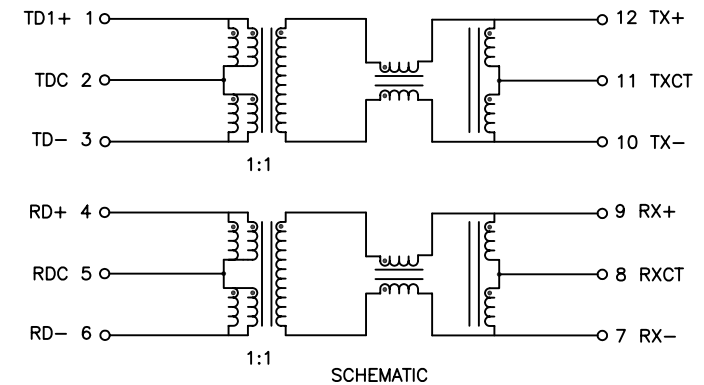
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| NOTICE: | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. |
| RoHS  | ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: -40°C TO +85°C
5. STORAGE TEMPERATURE: -50°C TO +125°C
6. JEDEC MOISTURE: LEVEL 3.
7. DIMENSIONS ARE IN INCHES, TOLERANCES:
.XX = ±.01 .XXX = ±.005



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED (FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

| PARAMETER | SPECIFICATIONS | | |
|--|--|--|--|
| OPERATING TEMP | -40°C TO +85 °C | | |
| URNS RATIO | 1 : 1 ±2% | | |
| PER SCHEMATIC | | | |
| INSERTION LOSS | 100 KHz | 1-100 MHz | 125 MHz |
| | -1.2 dB MAX | -1.0 dB MAX | -3.0 dB MAX |
| RETURN LOSS (Z OUT = 100 OHM ±15%) | .1-40 MHz | | 40-100 MHz |
| | -16 dB MIN | | -10+20*LOG ₁₀ (f/80 MHz) dB MIN |
| | -18 dB MIN (100 OHMS) | | |
| INDUCTANCE (OCL) (MEDIA SIDE, -40°C-85°C) | 350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS) (AND WITH 8 mA DC BIAS) | | |
| CROSSTALK, ADJACENT CHANNELS | 1 MHz | 10-100 MHz | |
| | -50 dB MIN | -33+20*LOG ₁₀ (f/50) dB MIN | |
| COMMON MODE REJECTION RATIO | 0.1-100 MHz | | |
| | -30 dB MIN | | |
| DC RESISTANCE, 1/2 WINDING | .65 OHMS MAX | | |
| DC RESISTANCE IMBALANCE | ±.065 OHMS MAX (CENTER TAP SYMMETRY) | | |
| INPUT - OUTPUT ISOLATION | 1500 VRMS MIN @ 60 SECONDS | | |

NOTE: f IS FREQUENCY IN MHz.



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|--|------------------------|---------------|--------|--------------------|------|
| PULSE CONFIDENTIAL & PROPRIETARY | PRODUCT DESCRIPTION | PS DRAWING | SHEET: | DWG. NO./ PART NO. | REV. |
| | MDL,SIN,100D,1:1,SM,TU | PS-0023.002-A | 1 | HX1323NL | M12 |