


NOTES: UNLESS OTHERWISE SPECIFIED

1.

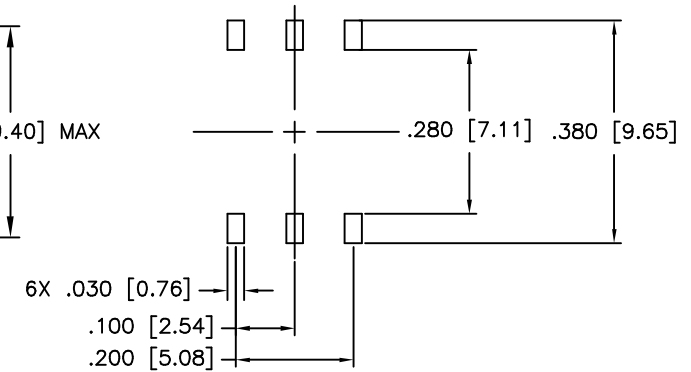
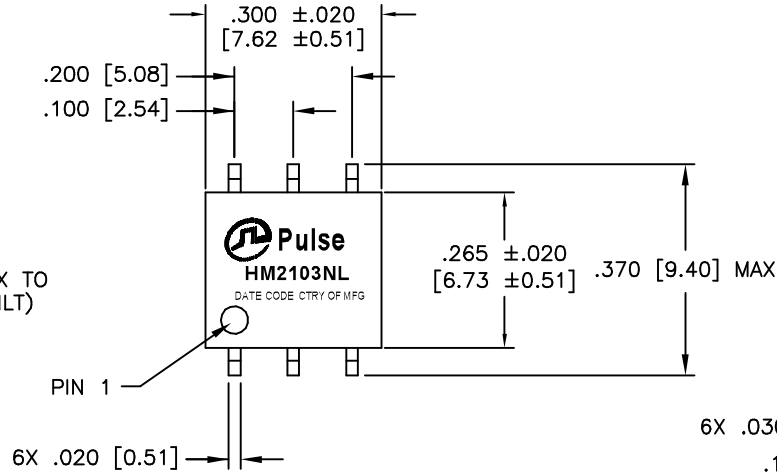
| | |
|---------|--|
| NOTICE: | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS |  |

2. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.
3. OPERATING TEMPERATURE: -40°C TO +125°C
4. STORAGE TEMPERATURE: -50°C TO +125°C
5. JEDEC MOISTURE: LEVEL 1.
6. AEC-Q200 QUALIFIED
7. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER (ie. HM2103NL BECOMES HM2103NLT)
8. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

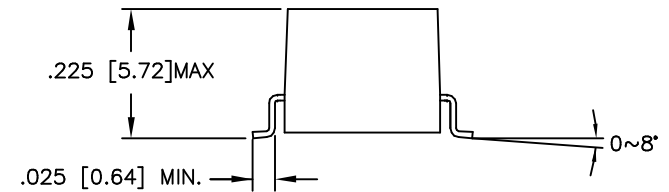
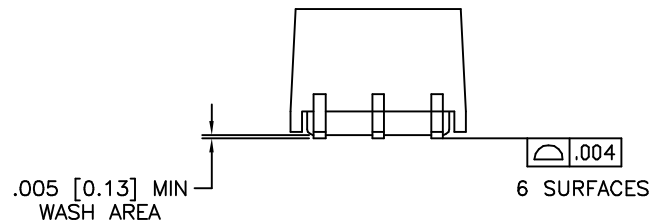
DECIMALS

.XX ±.01

.XXX ±.005

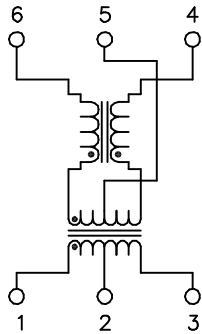
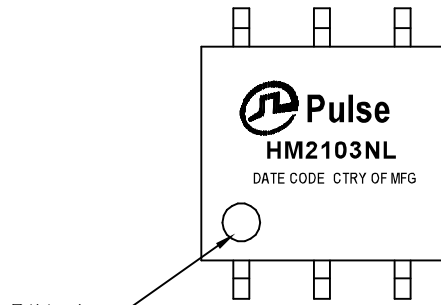


SUGGESTED LAND PATTERN



© Copyright, 2017. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (09/13/17)

| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|-------------------------------------|-------------|----------------|--------|----------|----------------|
| TRANSFORMER/CMC,4.3kVDC ISO,SGL,SMT | HM2103NL-10 | PS-01528.001-A | 1 OF 2 | HM2103NL | N |



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

| PARAMETER | SPECIFICATIONS | |
|---|---|---------------|
| QUALIFICATION | PER AEC-Q200 | |
| DESIGN CONSTRUCTION | FUNCTIONAL INSULATION | |
| CREEPAGE DISTANCE | > 5mm | |
| OPERATING TEMPERATURE | -40°C TO 125 °C | |
| TURNS RATIO | 1.00 ± 2% | |
| POLARITY | PER SCHEMATIC | |
| DC RESISTANCE | TRANSFORMER SIDE | CM CHOKE SIDE |
| | 0.45 OHMS MAX | 0.85 OHMS MAX |
| INDUCTANCE (OCL) AT 100 kHz, 100 mV (-40°C TO +125°C) | 150 uH MIN, 450 uH MAX | |
| LEAKAGE INDUCTANCE | 0.50 uH MAX @ 100 kHz | |
| INSERTION LOSS | 0.25 dB MAX @ 4 MHz | |
| RETURN LOSS (Z OUT = 100 OHM ±1%) | 20 dB MIN @ 4 MHz | |
| COMMON MODE REJECTION RATIO | 1-10 MHz | 10-1000 MHz |
| | -35 dB MIN | -20 dB MIN |
| INPUT - OUTPUT ISOLATION | 4300 VDC FOR 60 SECONDS WITH 1.0 mA MAX OF LEAKAGE CURRENT | |
| INSULATION RESISTANCE | 400 MEGAOHMS MINIMUM | |
| WORKING VOLTAGE | 1000 VDC FOR 15 YEARS | |

© Copyright, 2017. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (09/13/17)

| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|-------------------------------------|-------------|----------------|--------|----------|----------------|
| TRANSFORMER/CMC,4.3kVDC ISO,SGL,SMT | HM2103NL-10 | PS-01528.001-A | 2 OF 2 | HM2103NL | N |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Audio Transformers](#) / [Signal Transformers](#) category:

Click to view products by [Pulse manufacturer](#):

Other Similar products are found below :

[CX2041NLT](#) [MGPWT-00449-P](#) [PE-64961](#) [H1302FNLT](#) [H5008FNL](#) [H5012FNL](#) [H5020FNLT](#) [H5077NLT](#) [H5079NLT](#) [H5084FNLT](#)
[B78476A9558A003](#) [1812WBT2-4](#) [1879479-1](#) [HX2260FNL](#) [HX5014FNL](#) [EX2024FNL](#) [FL1066](#) [T1137NLT](#) [T3012NL](#) [PE-65812FNL](#) [PE-65848FNLT](#) [H1174FNL](#) [H1302FNL](#) [H5015FNL](#) [H5019EFNL](#) [H5062FNLT](#) [CX2047LNL](#) [MGPWT-00059-P](#) [MGPWT-00266-P](#) [MGPWT-00278-P](#) [MGPWT-00431-P](#) [TTC-100](#) [TTC-143-H](#) [TTC-5032-1](#) [BX1194WNLT](#) [HX1234NLT](#) [HX5008FNLT](#) [HX5019FNL](#) [HX5084NL](#) [3-1879385-5](#) [TX1263NLT](#) [4-1879391-0](#) [T1142NL](#) [HX6101FNL](#) [HX5084FNL](#) [HX1148NL](#) [HX5020FNLT](#) [HX5014FNLT](#) [T1124NL](#)
[1879732-1](#)