


NOTES: UNLESS OTHERWISE SPECIFIED

1.

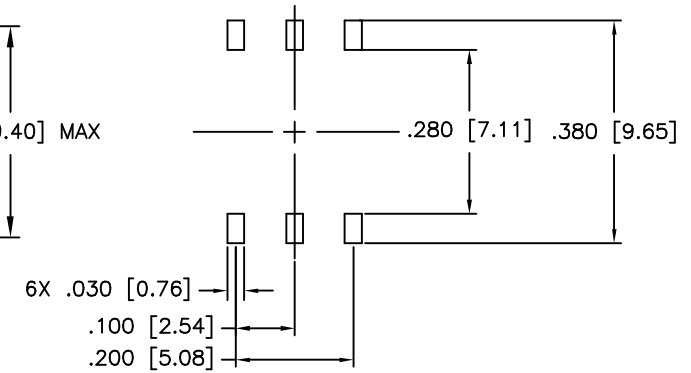
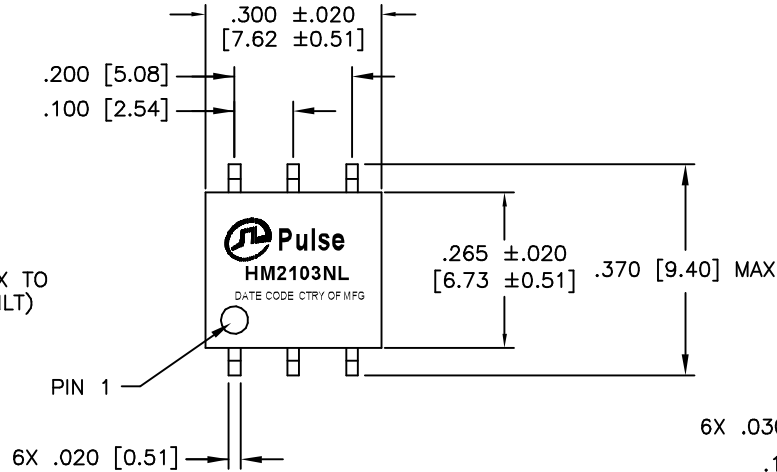
|         |  |
|---------|--|
| NOTICE: | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS    |                                   |

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:

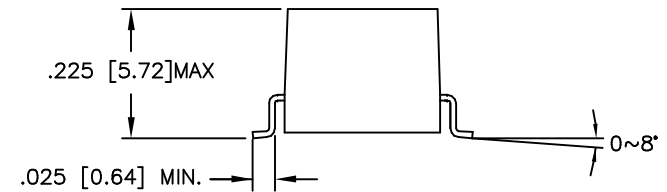
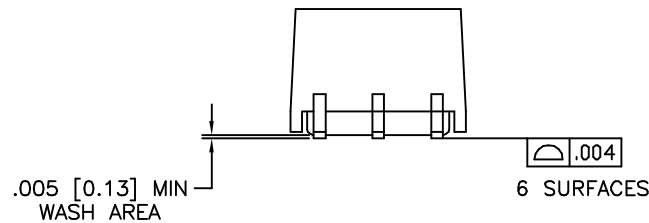
DECIMALS

.XX ±.01

.XXX ±.005

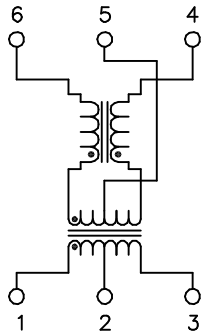
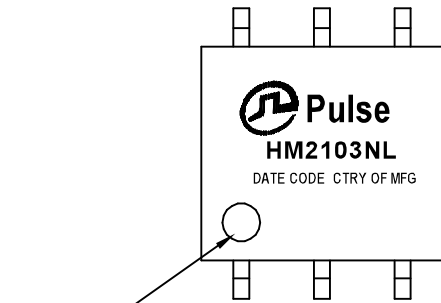


SUGGESTED LAND PATTERN



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| 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)<br>AT 100 kHz, 100 mV<br>(-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<br>(Z OUT = 100 OHM ±1%)                        | 20 dB MIN @ 4 MHz   |               |
| COMMON MODE<br>REJECTION RATIO                              | 1-10 MHz  | 10-1000 MHz   |
|   | -35 dB MIN  | -20 dB MIN    |
| INPUT - OUTPUT<br>ISOLATION                                 | 4300 VDC FOR 60 SECONDS<br>WITH 1.0 mA MAX OF LEAKAGE CURRENT |               |
| INSULATION RESISTANCE                                       | 400 MEGAOHMS MINIMUM  |               |
| WORKING VOLTAGE   | 1000 VDC FOR 15 YEARS   |               |

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| TRANSFORMER/CMC,4.3kVDC ISO,SGL,SMT | HM2103NL-10 | PS-01528.001-A | 2 OF 2 | HM2103NL | N              |

单击下面可查看定价，库存，交付和生命周期等信息

[>>Pulse\(普思\)](#)