

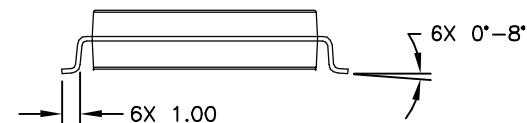
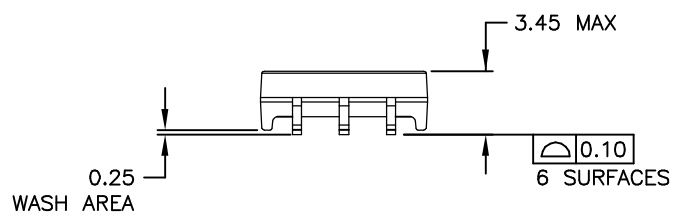
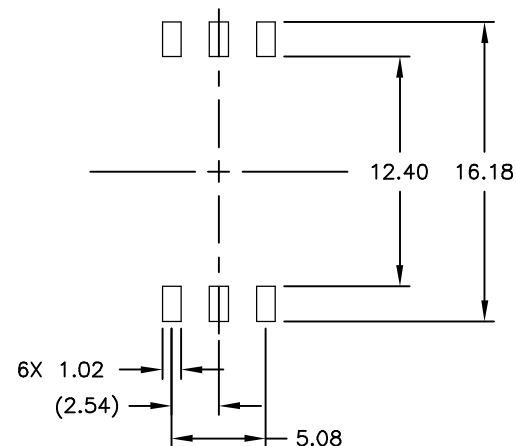
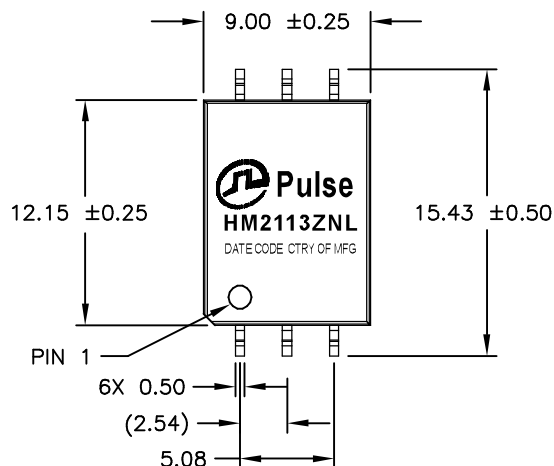


NOTES: UNLESS OTHERWISE SPECIFIED

1. 

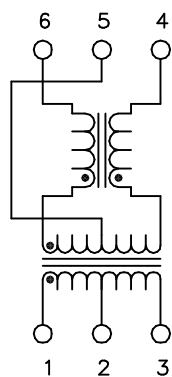
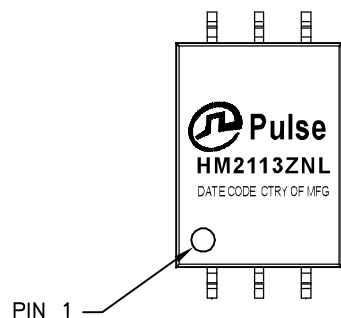
|          |                                                                                                                    |
|----------|--------------------------------------------------------------------------------------------------------------------|
| NOTICE:  | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS<br> |                                                                                                                    |
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. HM2112ZNL BECOMES HM2112ZNLT)
8. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:
 

| DECIMALS   | ANGLES |
|------------|--------|
| X.X ±0.25  | ± 1°   |
| X.XX ±0.13 |        |



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| PRODUCT DESCRIPTION           | TLA DRAWING  | PS DRAWING    | SHEET  | PART NO.  | DATASHEET REV. |
|-------------------------------|--------------|---------------|--------|-----------|----------------|
| TRANSFORMER/CMC,SGL,4.3kV,SMT | HM2113ZNL-10 | PS-2855.003-B | 1 OF 2 | HM2113ZNL | F              |



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

| PARAMETER                                                   | SPECIFICATIONS                                                |               |
|-------------------------------------------------------------|---------------------------------------------------------------|---------------|
| QUALIFICATION                                               | PER AEC-Q200                                                  |               |
| DESIGN CONSTRUCTION                                         | FUNCTIONAL INSULATION                                         |               |
| CREEPAGE DISTANCE                                           | > 10mm                                                        |               |
| 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,SGL,4.3kV,SMT | HM2113ZNL-10 | PS-2855.003-B | 2 OF 2 | HM2113ZNL | F              |