



THE DATASHEET OF HM2103NL





NOTES: UNLESS OTHERWISE SPECIFIED

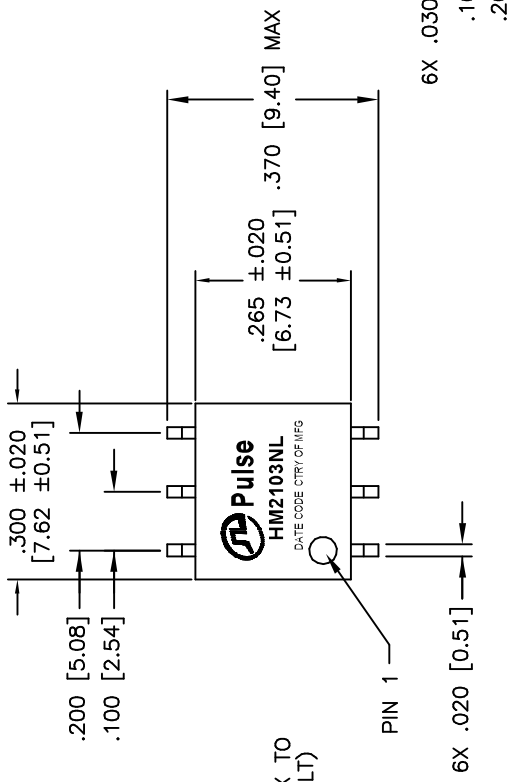
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS	

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

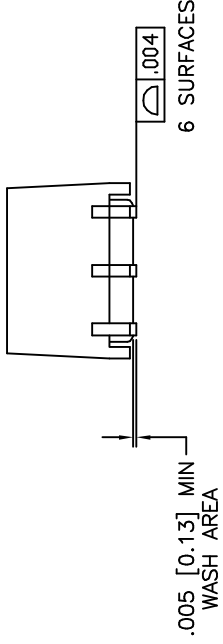
DECIMALS

.XX ±.01

.XXX ±.005



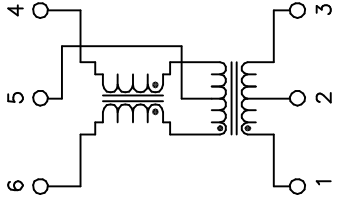
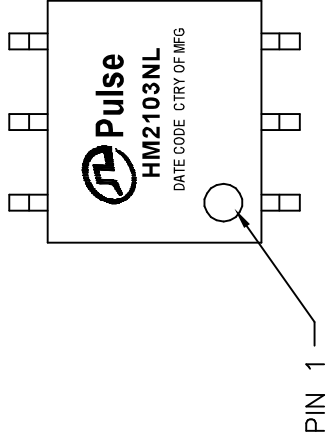
SUGGES



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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART
TRANSFORMER/CMC,4.3kVDC ISO,SGL,SMT	HM2103NL-10	PS-01528.001-A	1 OF 2	HM21

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SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS

PARAMETER	SPECIFICATION
QUALIFICATION	PER AEC-Q200
DESIGN CONSTRUCTION	FUNCTIONAL IN
CREEPAGE DISTANCE	> 5mm
OPERATING TEMPERATURE	-40°C TO 125°C
TURNS RATIO	1.00 ± 0.02
POLARITY	PER SCHEMATIC
DC RESISTANCE	TRANSFORMER SIDE 0.45 OHMS MAX
INDUCTANCE (OCL) AT 100 kHz, 100 mV (-40°C TO +125°C)	150 uH MIN, 45 uH MAX
LEAKAGE INDUCTANCE	0.50 uH MAX @ 100 kHz
INSERTION LOSS	0.25 dB MAX @ 100 kHz
RETURN LOSS (Z OUT = 100 OHM ±1%)	20 dB MIN @ 100 kHz
COMMON MODE REJECTION RATIO	1-10 MHz -35 dB MIN
INPUT - OUTPUT ISOLATION	4300 VDC FOR 1 MIN WITH 1.0 mA MAX OF CURRENT
INSULATION RESISTANCE	400 MEGAOHMS MIN
WORKING VOLTAGE	1000 VDC FOR 1 MIN

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