



**THE DATASHEET OF  
HM2101NLT**





NOTES: UNLESS OTHERWISE SPECIFIED

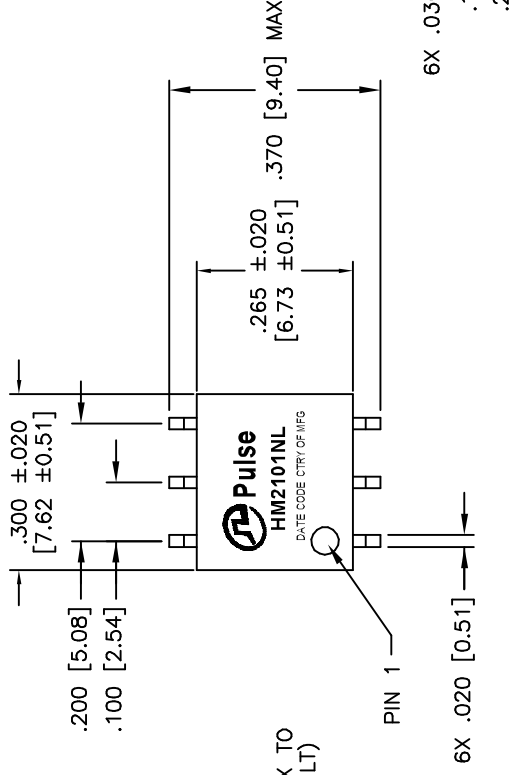
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS	

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. HM2101NL BECOMES HM2101NLT)
7. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

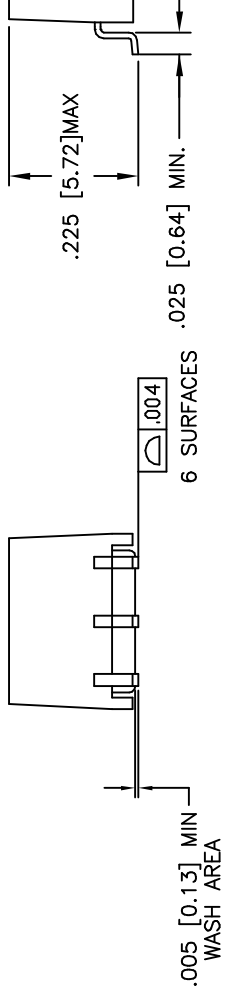
DECIMALS

.XX ±.01

.XXX ±.005



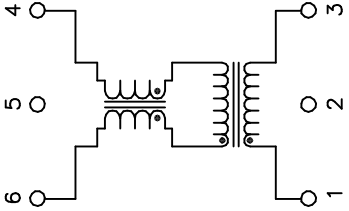
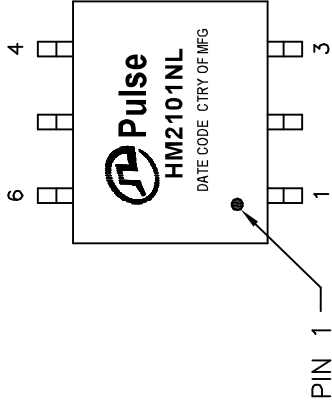
SUGGES



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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART
TRANSFORMER/CMC,2.5KVAC ISO,SGL,SMT	HM2101NL-10	PS-01528.001-A	1 OF 2	HM21

E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US), ASIA@PULSEELECTRONICS.COM(Asia) PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SI



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS

PARAMETER	SPECIFIC
QUALIFICATION	PER AEC-
DESIGN CONSTRUCTION	FUNCTIONAL I
CREEPAGE DISTANCE	> 5mm
OPERATING TEMPERATURE	-40°C TO
TURNS RATIO	1.00 ±
POLARITY	PER SCH-
DC RESISTANCE	TRANSFORMER SIDE 0.45 OHMS MAX
INDUCTANCE (OCL) AT 100 KHz, 100 mV (-40°C TO +125°C)	150 uH MIN, 4
LEAKAGE INDUCTANCE	0.50 uH MAX, 0.25 dB MAX
INSERTION LOSS	
RETURN LOSS (Z OUT = 100 OHM ±1%)	20 dB MIN €
COMMON MODE REJECTION RATIO	1 – 10 MHz -35 dB MIN
INPUT – OUTPUT ISOLATION	4300 VDC OR 2500 V WITH 1.0 mA MAX OF
INSULATION RESISTANCE	400 MEGAOHM
WORKING VOLTAGE	1000 VDC FOR

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 [Pulse Information](#)

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