

SMD transformer for vehicle and BMS transformer



FEATURES

- Qualification: PER AEC-Q200
- Design Construction: Basic Insulation PER ISO6469/IEC60664
- Operating Temperature Range: -40~+125°C
- Storage Temperature Range: -50~+125°C
- Creepage Distance: >11mm
- Hi-Pot: 4300 VDC 1 mA, 60 sec



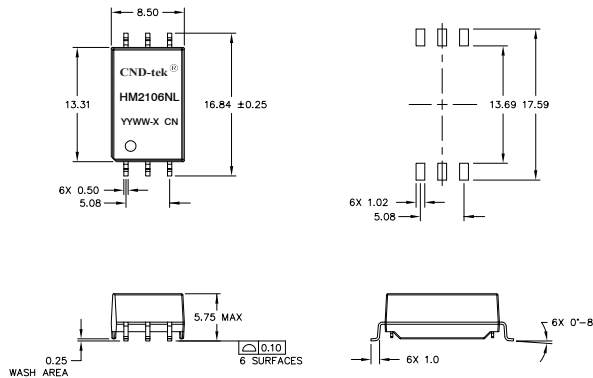
Series/Type: **HM2106NLTP**

ELECTRICAL SPECIFICATIONS @25°C

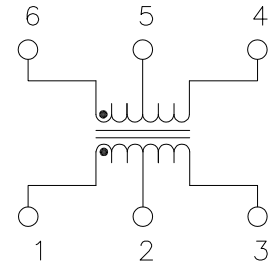
OCL		DCR (Ω)	Turns Ratio	Insertion Loss (4MHz)	Return Loss (Z out = 100 ohms) (4MHz)	Leakage Induction @100kHz	Working Voltage
-40°C ≤ T ≤ -30°C	-30°C ≤ T ≤ +125°C						
135uH(min) 370uH(max)	150uH(min) 370uH(max)	0.45Ω max	1CT : 1CT ±2%	-0.25dB Max	-20dB Min	0.50uH MAX	1000 Vdc

*Testing Conditions: 100KHz 0.1V

DIMENSIONS & MARKING



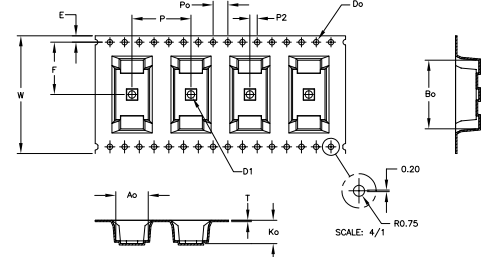
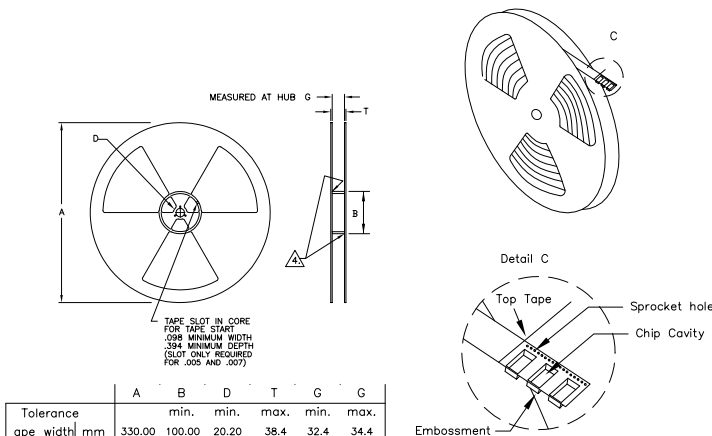
SCHEMATICS



SCHEMATIC

DIMENSIONS ARE IN MILLIMETERS WITH THE FOLLOWING TOLERANCES:
X.X = ±0.25
X.XX = ±0.13

Packaging Specifications



ITEM	W	Ao	Bo	Ko	K1	P	F	E	Do	D1	Po	P2	T
DIM	32.00 ±0.30	8.8 ±0.10	18.6 ±0.10	6.35 ±0.10		16.00 ±0.10	14.2 ±0.10	1.75 ±0.10	1.50 ±0.10	2.0 ±0.10	4.00 ±0.10	2.00 ±0.10	0.40 ±0.05

