

SMD transformer for vehicle and BMS transformer



FEATURES

- Qualification: PER AEC-Q200
- Operating Temperature Range: -40~+125C °
- Storage Temperature Range: -50~+125C
- Creepage Distance: >10mm
- Insulation Resistance: 400MΩ Min.
- Hi-Pot: 4300 VDC For 60 seconds



Series/Type: **HM2101NL TP**

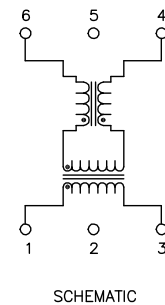
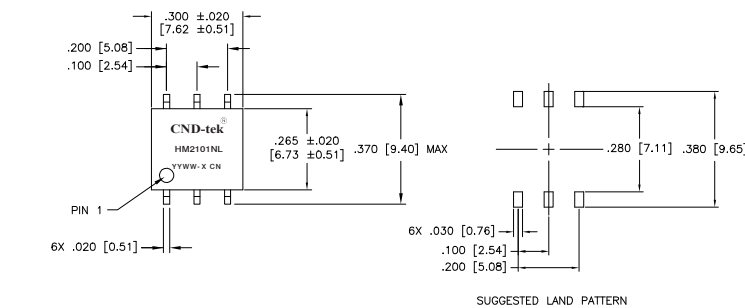
ELECTRICAL SPECIFICATIONS @25°C

OCL	DCR	Turns Ratio	Insertion Loss (4MHZ)	Return Loss (Z out = 100 ohms) (4MHZ)	Crosstalk (4MHZ)	CMRR		Working Voltage
150uH(min) 450uH(max)	0.45Ω max(Transformer Side) 0.85 Ω max(CM Choke Side)	1CT :1CT±2%	-0.25dB Max	-20dB Min	-50dB Min	1-10 MHz	10-1000MHz	1000 Vdc
						-35dB Min	-20dB Min	

*Testing Conditions:100KHz 0.1V

DIMENSIONS & MARKING

SCHEMATICS



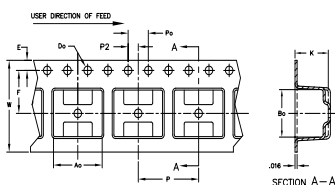
Soldering and Mounting

A.J-STD-002:Solderability at 245°C Reflow Profile

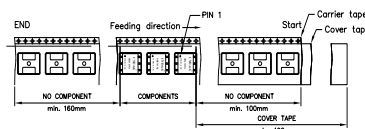
B. J-STD-020:Level 1,No Moisture Sensitive

C.J-STD-075:R7,245°C Maximum Through Reflow Solder

Packaging Specifications



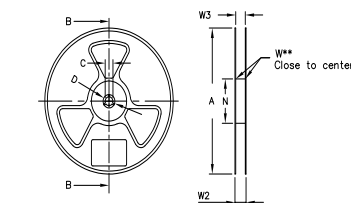
ITEM	W	P	Au	Sh	K	T	C	Ds	E	F	Pa
DM	16	12	9.55	9.26	6.6	0.40		1.5	1.75	7.5	4.0



ALL DIMENSIONS ARE IN MILLIMETERS WITH THE FOLLOW TOLERANCES: ±0.10

PACKING SPECIFICATION:
REEL SIZE: 330mm
TAPE WIDTH: 16mm
TAPE PITCH: 12mm

COMPONENTS PER REEL: 300 pcs



	A	B	C	D	N	W1	W2	W3	W3
Tolerance	min.	±0.8	min.	min.	min.	+2.0	max.	min.	max.
Tape width/mm	330.00	1.50	13.00	20.20	100.00	16.4	16.4	16.4	16.30

