

SMD transformer for vehicle and BMS transformer



FEATURES

- Qualification: PER AEC-Q200
- Operating Temperature Range: -40~+125C °
- Storage Temperature Range: -50~+125C °
- Creepage Distance: >5mm
- Hi-Pot: 4300 or 2500V VDC For 60 seconds



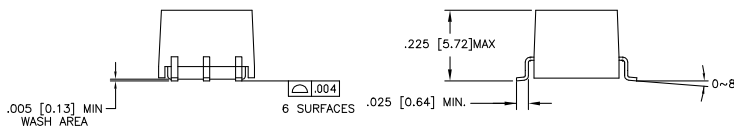
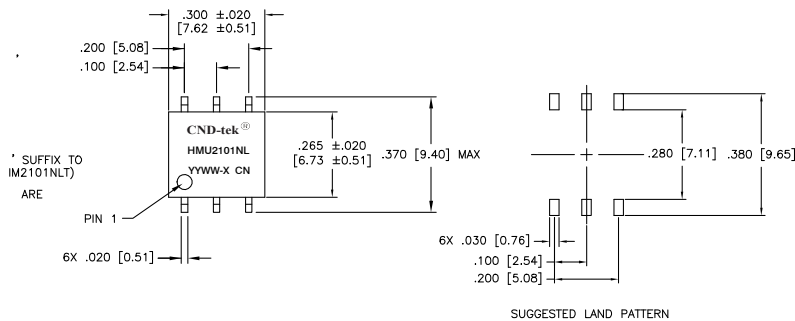
Series/Type: **HMU2101NLT**

ELECTRICAL SPECIFICATIONS @25°C

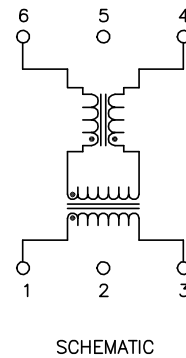
OCL	DCR	Turns Ratio	Insertion Loss (4MHz)	Return Loss (Z out = 100 ohms) (4MHz)	CMRR		Working Voltage
					1-10 MHz	10-1000MHz	
150uH(min) 450uH(max)	0.45Ω max(Transformer Side) 0.85Ω max(CM Choke Side)	1CT :1CT±2%	-0.25dB Max	-20dB Min	-35dB Min	-20dB Min	1000 Vdc

*Testing Conditions:100KHz 0.1V

DIMENSIONS & MARKING



SCHEMATICS



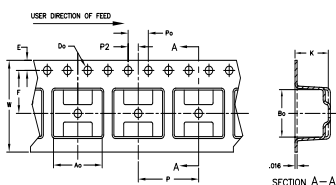
Soldering and Mounting

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

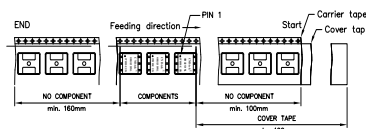
B. J-STD-020:Level 1,No Moisture Sensitive

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

Packaging Specifications



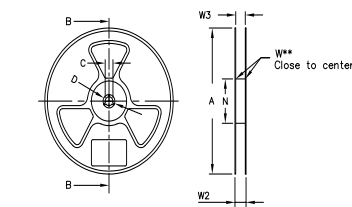
ITEM	W	P	A ₁	A ₂	K	T	C	D ₁	E	F	P ₀
DIM	16	12	9.55	9.28	6.6	0.40	1.5	1.75	7.5	4.0	



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: 700 pcs



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

