

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



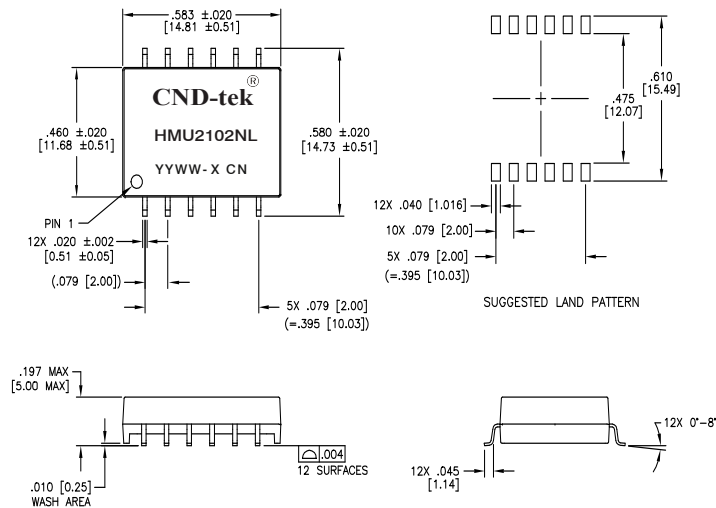
Series/Type: **HMU2102NLTP**

ELECTRICAL SPECIFICATIONS @25°C

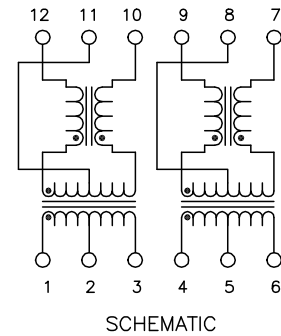
OCL	DCR	Turns Ratio	Insertion Loss (4MHZ)	Return Loss (Z out = 100 ohms) (4MHZ)	Crosstalk (4MHZ)	CMRR		Working Voltage
						1-10 MHz	10-1000MHz	
150uH(min) 370uH(max)	0.45Ω max(Transformer Side) 0.85 Ω max(CM Choke Side)	1CT :1CT±2%	-0.30dB Max	-20dB Min	-50dB Min	-35dB Min	-20dB Min	1000 Vdc

*Testing Conditions:100KHz 0.1V

DIMENSIONS & MARKING



SCHEMATICS



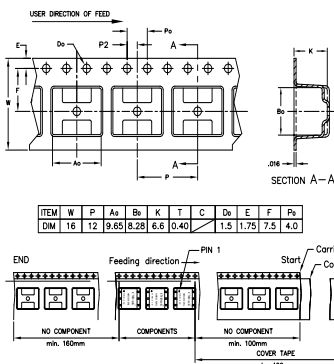
Soldering and Mounting

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

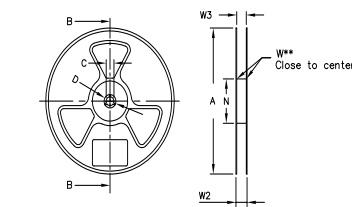
Packaging Specifications



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



Tolerance	A	B	C	D	N	W1	W2	W3
Type width/mm	min. 1.50	min. 13.00	min. 20.20	min. 100.00	min. 16.4	min. 16.4	min. 16.4	min. 16.30

