

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

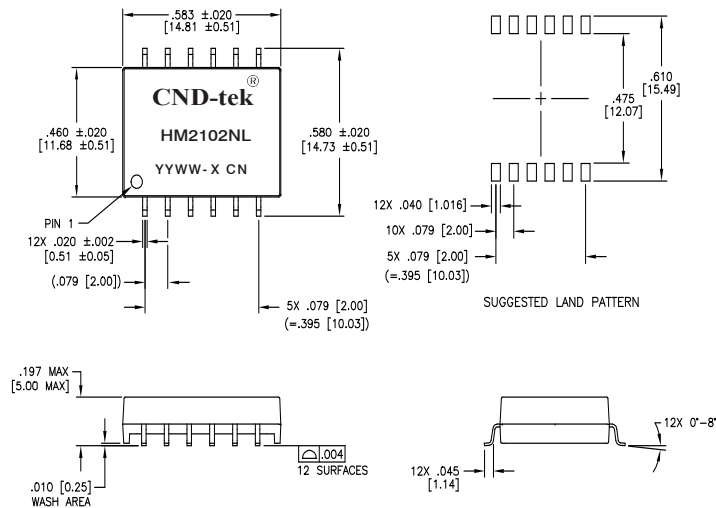


Series/Type: **HM2102NL TP**

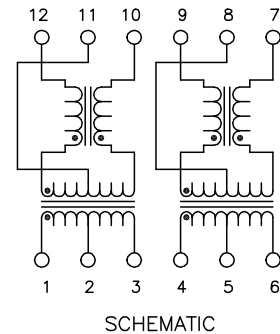
ELECTRICAL SPECIFICATIONS @25°C

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	10-100MHz	1600 Vdc
*Testing Conditions:100KHz 0.1V								

DIMENSIONS & MARKING



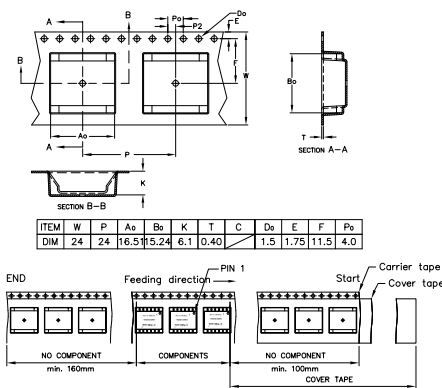
SCHEMATICS



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

