Common Mode filters

CND-tek
磁联达

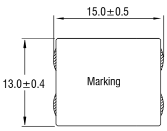
1.Excellent impedance characteristics, making it great for suppressing common mode noise.
2.Low profile design makes it optimal for surface mounting.
3.Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains.
4.Operating temperature : -40℃～+125℃
(Including coil's temperature rise)

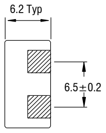
Electrical Characteristics

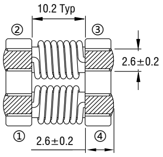
Part No.	Inductance(μH)	Impedance(Ω)		D.C.R.(mΩ)		Rated Current (A)	Rated Voltage (V)	Insulation Resistance (MΩ)
	±50%	Min	Typical	Typical	Max	Max	Max	Min
ACM1513-301-2PL-TLHF-CND	2.20	200	300	2.50	3.00	17.0	80.0	10.0
ACM1513-501-2PL-TLHF-CND	3.20	400	500	3.50	4.00	15.0	80.0	10.0
ACM1513-551-2PL-TLHF-CND	3.50	450	550	3.50	4.00	10.0	80.0	10.0
ACM1513-701-2PL-TLHF-CND	5.00	500	700	4.50	6.00	14.0	80.0	10.0
ACM1513-102-2PL-TLHF-CND	6.80	800	1,000	7.00	8.00	11.0	80.0	10.0
ACM1513-152-2PL-TLHF-CND	9.00	1,300	1,500	9.00	10.0	9.00	80.0	10.0
ACM1513-222-2PL-TLHF-CND	14.0	1,700	2,200	12.0	14.0	8.00	80.0	10.0

All data is tested based on 25℃ ambient temperature.
Inductance measure condition at 100KHz,0.1V
Impedance measure condition at 100MHz,0.5V.
Rated current the value of DC current when the temperature rise is ΔT40℃ (Ta=25℃)
Special remind Circuit design, component placement, PCB size and thickness, cooling system and etc.
all will affect the product temperature. Please verify the product temperature in the final application.

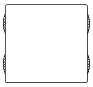
Appearance and Dimensions (mm)


15.0±0.5
13.0±0.4
Marking

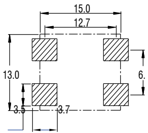



10.2 Typ
②
③
2.6±0.2
①
2.6±0.2
④

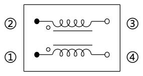
Marking



Details marking code reference specification of approval list

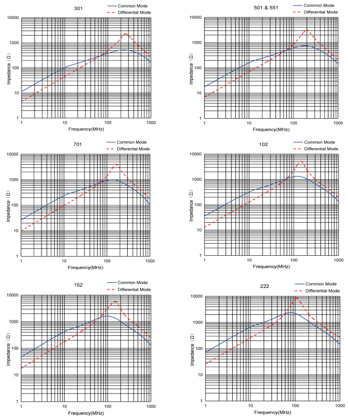

15.0
12.7
13.0
6.
3.5
3.7

Reference Land Pattern (mm)

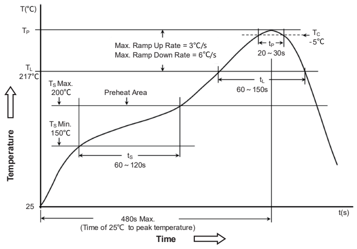


Schematic

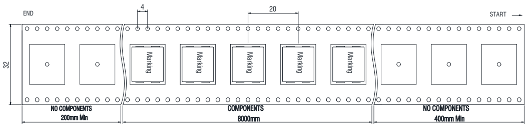
Impedance vs Frequency Curve:



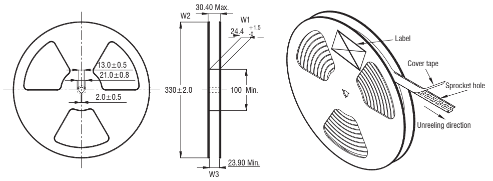
Reflow Profile for SMT Components



TAPING AND PACKING


END
4
20
START
32
Marking
NO COMPONENTS
200mm Min
COMPONENTS
8000mm
NO COMPONENTS
400mm Min

Reel Dimensions (mm)


30.40 Max.
W2
W1
24.4 +1.5 -0
13.0±0.5
21.0±0.8
2.0±0.5
330±2.0
100 Min.
23.90 Min.
W3
Label
Cover tape
Sprocket hole
Unreeling direction

Quantity (pcs) :
400 PCS PER REEL
5REELS PER CARTON
2000PCS PER CARTON