Winding Type Chip Inductor

APO322530NO-SERIES

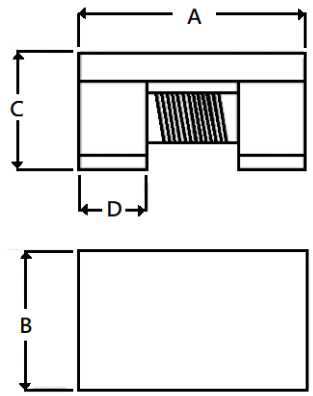
1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature-40~+125℃(Including self - temperature rise).
6. Inductor for use in-vehicle PoC (Power Over Coax).

Halogen-free

RoHS

2. Dimension



Size	A	B	C	D
APO322530	3.20±0.20	2.50±0.20	3.00±0.20	0.58±0.10

Unit: mm

3. Part Numbering

APO	322530	N	O	-	220	M
A	B	C	D		E	F

A: Series
B: Dimension L x W x H
C: Application
D: Category Code Industrial Grade
E: Inductance 220=22.0uH
F: Inductance Tolerance M=±20%

4. Specification

Part number	Inductance (μH) @100K/0.1V	DCR (Ohm)		SRF typ	Isat(mA) Typ					Irms(mA) Typ		
		typ	max	(MHz)	25℃	85℃	105℃	125℃	140℃	25℃	85℃	125℃
APO322530NO-2R2M	2.2±20%	0.10	0.13	300	2200	1900	1700	1500	1300	1900	1730	1000
APO322530NO-6R8M	6.8±20%	0.20	0.24	120	1400	1000	930	800	700	1360	1230	800
APO322530NO-100M	10.0±20%	0.29	0.34	95	1100	850	760	660	560	1130	1020	570
APO322530NO-220M	22.0±20%	0.76	0.88	70	720	580	520	450	390	700	630	400

Note:

- All test data referenced to 25℃ ambient.
- DC current at 25°C that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25°C ambient.

This information is for reference only and does not represent absolute maximum ratings.

5. Recommended PC Board Pattern

	Land Patterns For Reflow Soldering							
Series	**Type**	**A(mm)**	**B(mm)**	**C(mm)**	**D(mm)**	**L(mm)**	**G(mm)**	**H(mm)**
APO	322530	3.20±0.20	2.50±0.20	3.0±0.20	0.58±0.10	3.80	2.20	2.80

