

# Winding Type Chip Inductor

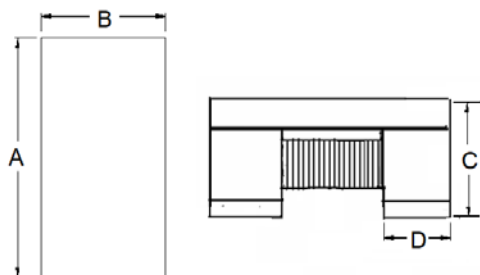
APO201216NV-SERIES

## 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. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature-40~+125°C(Including self - temperature rise)
7. Inductor for use in-vehicle PoC (Power Over Coax)



## 2. Dimension



Size	A	B	C	D
APO201216	2.00±0.20	1.20±0.20	1.60±0.20.	0.48±0.10.

Unit:mm

## 3. Part Numbering

<b>APO</b>	<b>201216</b>	<b>N</b>	<b>V</b>	-	<b>R47</b>	<b>M</b>
A	B	C	D		E	F

A: Series  
 B: Dimension L x W x H  
 C: Application  
 D: Category Code V=Vehicle  
 E: Inductance R47=0.47uH  
 F: Inductance Tolerance M=±20%

## 4. Specification

TAI-TECH Part Number	Ls(μH) (@1 MHz)	DCR (Ω) Max.	SRF (MHz) min.	Rated current(mA)		
				Isat(mA)	Based on temperature rise	
					Ambient temperature 105°C	Ambient temperature 125°C
APO201216NV-R47M	0.47±20%	0.05	470	1000	1100	900
APO201216NV-R82M	0.82±20%	0.09	360	800	800	700
APO201216NV-1R0M	1.0±20%	0.13	320	700	700	600
APO201216NV-1R5M	1.5±20%	0.18	260	550	550	500
APO201216NV-2R0M	2.0±20%	0.29	230	450	450	400

Note:

Isat: Applied the current to coils, the inductance change shall be less than 30% of initial value.

Ambient temperature (85°C/105°C): the part temperature (ambient temperature plus self-generation of heat) should be under 125°C.

Ambient temperature (125°C):the part temperature (ambient temperature plus self-generation of heat) should be under 130°C.

单击下面可查看定价，库存，交付和生命周期等信息

[>>TAI-TECH\(台庆\)](#)