

Winding Type Chip Inductor

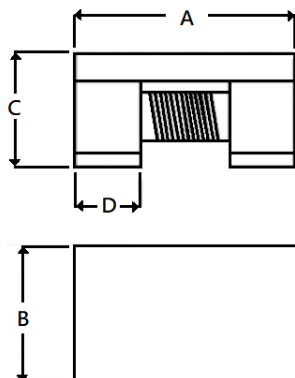
APO322523TV-SERIES

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-55~+150°C(Including self - temperature rise)
7. Inductor for use in-vehicle PoC (Power Over Coax)



2. Dimension



Size	A	B	C	D
APO3225	3.20±0.20	2.50±0.20	2.30±0.20	0.58±0.10

Unit:mm

3. Part Numbering

APO	322523	T	V	-	100	M
A	B	C	D		E	F

A: Series

B: Dimension

C: Application

D: Category Code

E: Inductance

F: Inductance Tolerance

L x W x H

V=Vehicle

100=10.0uH

M=±20%

4. Specification

TAI-TECH Part Number	Ls(μH) (@100KHz)	DCR (Ω) Max.	Rated current(mA)					
			Isat			Irms		
			25°C (mA) Typ.	105°C (mA) Typ.	125°C (mA) Typ.	25°C (mA) Typ.	105°C (mA) Typ.	125°C (mA) Typ.
APO322523TV-2R2M	2.2±20%	0.18	1100	1000	950	1350	1220	1045
APO322523TV-4R7M	4.7±20%	0.10	720	650	600	1500	1400	1300
APO322523TV-100M	10.0±20%	0.15	450	400	350	1300	1200	1100
APO322523TV-150M	15.0±20%	0.40	400	350	310	825	725	625

Note:

Isat : when based on the inductance change rate (30% below the initial L value)

Irms : When based on the temperature increase (temperature increase of 40°C by self-heating)

5. Soldering and Mounting

5-1. 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	322523	3.20±0.20	2.50±0.20	2.30±0.20	0.58±0.10	3.80	2.20	2.80

