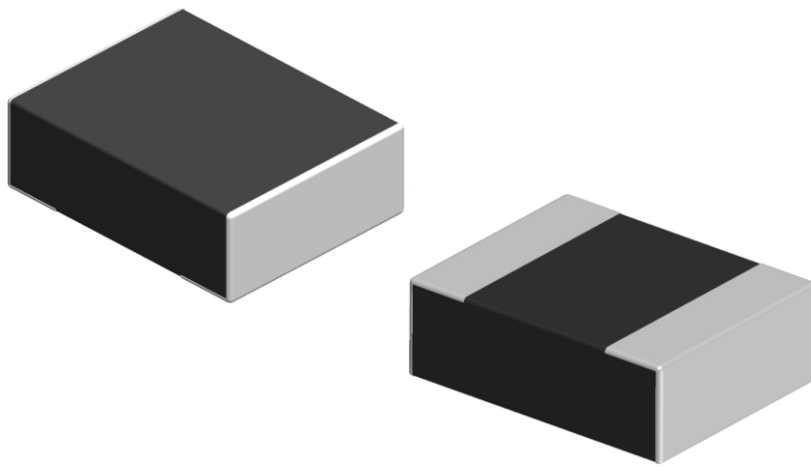

2024 ABCO Standard Inductor

LPM322512-P Series

SMD Metal Alloy Inductor



<http://www.abco.co.kr>



31,Dunchon-daero 388 beon-il,Jungwon-gu,
Seongnam-si,Gyeonggi-do,Korea
Sales Dept. TEL : 82-31-730-5131
FAX : 82-31-730-5152
R&D Dept. TEL : 82-70-4010-4242
FAX : 82-70-4010-9515
E-mail : ymchoi@abco.co.kr

ABCO ELECTRONICS CO., LTD.

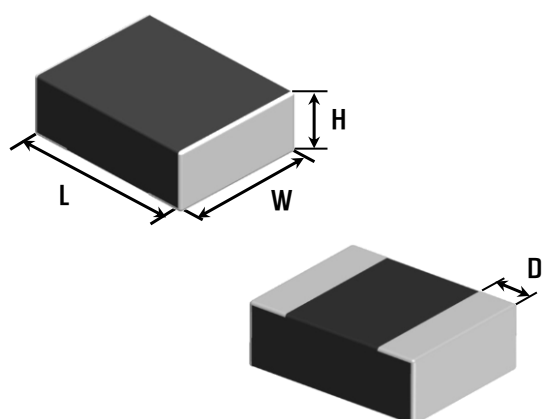
LPM322512-P Series

Under Development!!

Data Sheet

SMD Metal Alloy Inductor

Component Image & Dimension



TYPE	Dimension(mm)			
	L	W	H	D
322512	3.2±0.2	2.5±0.2	1.2Max.	0.70±0.3

Recommended Land Pattern

TYPE	322512
A	1.1
B	1.2
C	2.7

Unit : mm

Features

- Shield type winding inductor for power circuits.
- Generic use for DC/DC Converter Line.
- Metal Alloy component.
- Halogen-Free and RoHS compliant.

Application

Semiconductor(DDR/SSD) , OLED Pannel , etc.

Electrical Specification *(Tentative)*

ABC0 Identification	Inductance		Test Freq.	DCR (mΩ)		Rated DC Current(A)	
	L	Tol.				IDC1[Isat]	IDC2[Irms]
	μH	%	MHz	typ.	max.	max.	typ.
LPM322512T- R47M-P	0.47	±20	1	9.5	11.0	9.0	9.0
LPM322512T- R68M-P	0.68	±20	1	13.6	18.5	6.0	7.5
LPM322512T- 1R0M-P	1.00	±20	1	19.3	22.0	5.6	7.1

- Rated DC Current : The value of IDC1 or IDC2, whichever is smaller.
 - IDC1[Isat] : The DC saturation current value is specified when the decrease of the initial inductance value at 30%.
 - IDC2[Irms] : The temperature rise current value is specified when temperature of the inductor is raised 40°C by DC current.
- Operating temperature range : - 40 to +125° C (Including self-temperature rise)
- Absolute maximum voltage 20VDC