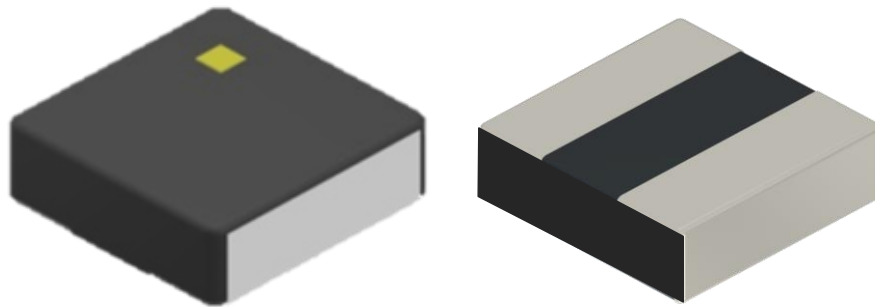

2024 ABCO Standard Inductor

LPM4020-MP Series

SMD Metal Alloy Inductor



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



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Sales Dept. TEL : 82-31-730-5131
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FAX : 82-70-4010-9515

E-mail : ymchoi@abco.co.kr

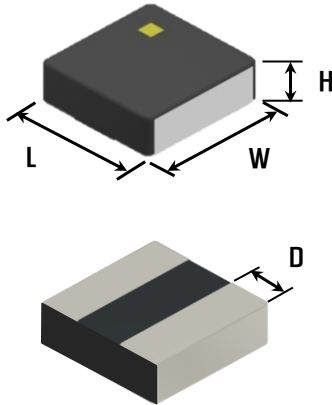
LPM4020-MP Series

Under Development!!

Data Sheet

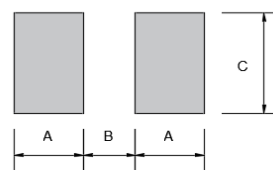
SMD Metal Alloy Inductor

Component Image & Dimension



TYPE	Dimension(mm)			
	L	W	H	D
4020	4.1±0.2	4.1±0.2	2.0Max.	1.3±0.3

Recommended Land Pattern



TYPE	4020
A	1.4
B	1.5
C	4.3

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)*

ABCO Identification	Inductance		Test Freq.	DCR (mΩ)		Rated DC Current(A)		
	L	Tol.				IDC1[Isat]		IDC2[Irms]
	μH	%	MHz	typ.	max.	typ.	max.	typ.
LPM4020T- R47M-MP	0.47	±20	1	4.0	4.5	19.7	16.0	13.9
LPM4020T- R68M-MP	0.68	±20	1	5.1	5.7	17.2	13.0	12.0
LPM4020T- 1R0M-MP	1.0	±20	1	7.5	8.2	13.4	9.6	10.0
LPM4020T- 1R2M-MP	1.2	±20	1	9.1	10.2	12.2	9.3	9.7

- Inductance : Measured with a LCR meter E4980A or equivalent (Test Freq. 1MHz, Level 1.0V)
- 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