

Wire-wound Ferrite Power Inductors LAYP series for Automotive Powertrain and Safety

Code in front of Series have been extracted from Part number, which describes the segment of products, such as kinds and characteristics.

AEC-Q200 Grade 1 (We conduct the evaluation at the test condition of Grade1.)

*Operating environment Temp:-55~125°C

REFLOW

AEC-Q200

PART NUMBER

*Operating Temp. : -55~150°C(Including self-generated heat)

L	A	Y	P	H	1	0	0	6	0	D	L	1	0	0	M	G	A
①	②	③	④	⑤	⑥	⑦	⑧	⑨									

①Series

Part number	Type
LAYP	Wire-wound Ferrite Power Inductor for Automotive Powertrain and Safety

(1) Product Group

Code	
L	Inductors

(2) Category

Code	Recommended equipment	Quality Grade
A	Automotive Electronic Equipment (Powertrain, Safety)	1

②Features

Code	Feature
H	Bottom electrode (Frame type)

③Dimensions (L × W)

Code	Dimensions (L × W) [mm]
060	6.3 × 6.0
100	10.1 × 10.0

④Dimensions (H)

Code	Dimensions (H) [mm]
40	4.0
45	4.5
60	6.0

⑤Operating temperature

Code	Operating temperature [°C]
D	-55~150

(3) Type

Code	
Y	Ferrite Wire-wound (Drum-sleeve type)

(4) Features, Characteristics

Code	
P	High current power choke

⑥Packaging

Code	Packaging
L	Taping

⑦Nominal inductance

Code (example)	Nominal inductance [μH]
1R0	1.0
100	10
101	100

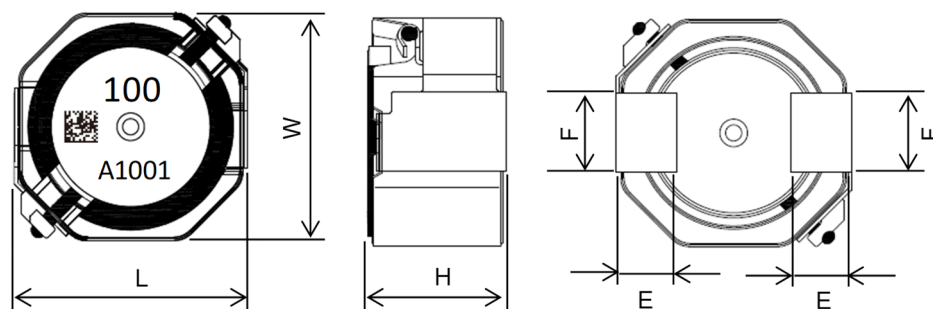
※R=Decimal point

⑧Inductance tolerance

Code	Inductance tolerance
M	±20%
N	±30%

⑨Internal code

■ STANDARD EXTERNAL DIMENSIONS / MINIMUM QUANTITY



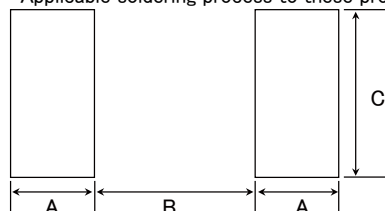
Type	L	W	H	E	F	Minimum quantity [pcs]
06045	6.3 ± 0.3 (0.248 ± 0.012)	6.0 ± 0.3 (0.236 ± 0.012)	4.5 ± 0.3 (0.177 ± 0.012)	1.7 ± 0.2 (0.067 ± 0.008)	2.0 ± 0.15 (0.079 ± 0.006)	1000
10040	10.1 ± 0.3 (0.398 ± 0.012)	10.0 ± 0.3 (0.394 ± 0.012)	4.0 ± 0.3 (0.157 ± 0.012)	2.65 ± 0.2 (0.104 ± 0.008)	3.5 ± 0.15 (0.138 ± 0.006)	700
10060	10.1 ± 0.3 (0.398 ± 0.012)	10.0 ± 0.3 (0.394 ± 0.012)	6.0 ± 0.3 (0.236 ± 0.012)	2.65 ± 0.2 (0.104 ± 0.008)	3.5 ± 0.15 (0.138 ± 0.006)	500

Unit: mm (inch)

Recommended Land Patterns

Surface Mounting

- Mounting and soldering conditions should be checked beforehand.
- Applicable soldering process to these products is reflow soldering only.



Type	A	B	C
06045	2.2	2.8	2.3
10040	3.2	4.6	3.8
10060	3.2	4.6	3.8

Unit: mm