

Wire-wound Ferrite Power Inductors LAYP series for Automotive Powertrain/Safety (AEC-Q200 Qualified)

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/Safety (AEC-Q200 Qualified)

(1) Product Group

Code	
L	Inductors

(3) Type

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

(2) Category

Code	Recommended equipment
A	for Automotive Powertrain/Safety (AEC-Q200 Qualified)

(4) Features, Characteristics

Code	
P	High current power choke

②Features

Code	Feature
H	Bottom electrode (Frame type)

⑥Packaging

Code	Packaging
L	Taping

③Dimensions (L×W)

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

⑦Nominal inductance

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

④Dimensions (H)

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

※R=Decimal point

⑧Inductance tolerance

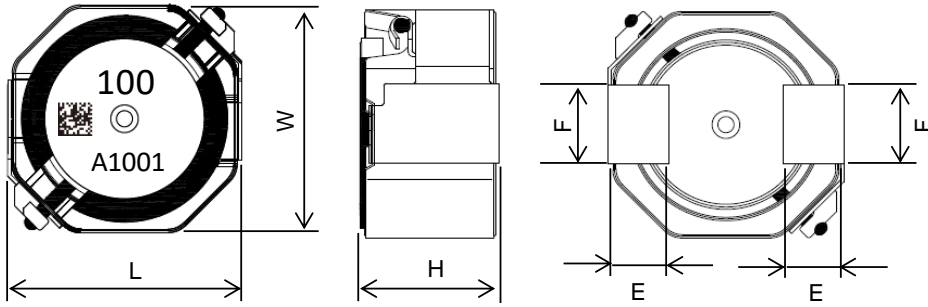
Code	Inductance tolerance
M	±20%
N	±30%

⑤Operating temperature

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

⑨Internal code

■ STANDARD EXTERNAL DIMENSIONS / MINIMUM QUANTITY



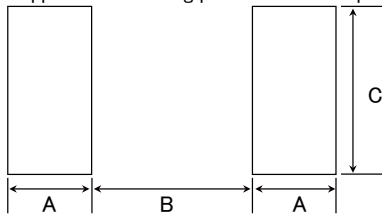
Type	L	W	H	E	F	Minimum quantity [pcs]
06045	6.3±0.3 (0.248±0.012)	6.0±0.3 (0.236±0.012)	4.5±0.3 (0.177±0.012)	1.7±0.2 (0.067±0.008)	2.0±0.15 (0.079±0.006)	1000
10040	10.1±0.3 (0.398±0.012)	10.0±0.3 (0.394±0.012)	4.0±0.3 (0.157±0.012)	2.65±0.2 (0.104±0.008)	3.5±0.15 (0.138±0.006)	700
10060	10.1±0.3 (0.398±0.012)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