

Wire-wound Ferrite Power Inductors LCXH series for Automotive Body & Chassis and Infotainment

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 2 (we conduct the evaluation at the test condition of Grade 2.)

*Operating environment Temp:-40~105°C

REFLOW

AEC-Q200

■ PART NUMBER

*Operating Temp. : -40~125°C(Including self-generated heat)

L	C	X	H	F	6	0	6	0	Y	E	L	1	0	0	M	M	R
①	②	③	④	⑤	⑥	⑦	⑧										

① Series

Code (1)(2)(3)(4)	
LCXH	Wire-wound Ferrite Power Inductor for Automotive Body & Chassis and Infotainment

(1) Product Group

Code	
L	Inductors

(2) Category

Code	Recommended equipment	Quality Grade
C	Automotive Electronic Equipment (Body & Chassis, Infotainment)	2

② Features

Code	Feature
F	Bottom electrode (Ag x solder) for fillet

③ Dimensions (L x W)

Code	Dimensions (L x W) [mm]
3030	3.0 x 3.0
4040	4.0 x 4.0
5050	5.0 x 5.0
6060	6.0 x 6.0

④ Dimensions (H)

Code	Dimensions (H) [mm]
QK	1.5
WK	2.0
WB	2.2
XK	3.0
XA	3.1
YE	4.5

(3) Type

Code	
X	Ferrite Wire-wound (Drum type)

(4) Features, Characteristics

Code	
H	Hybrid power choke

⑤ Packaging

Code	Packaging
T	Taping
L	Taping

⑥ Nominal inductance

Code (example)	Nominal inductance [μH]
2R2	2.2
100	10
101	100

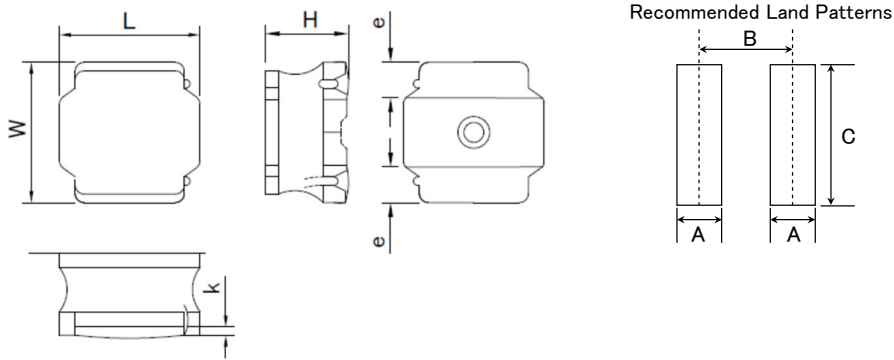
※R=Decimal point

⑦ Inductance tolerance

Code	Inductance tolerance
M	±20%
N	±30%

⑧ Internal code

■ STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY

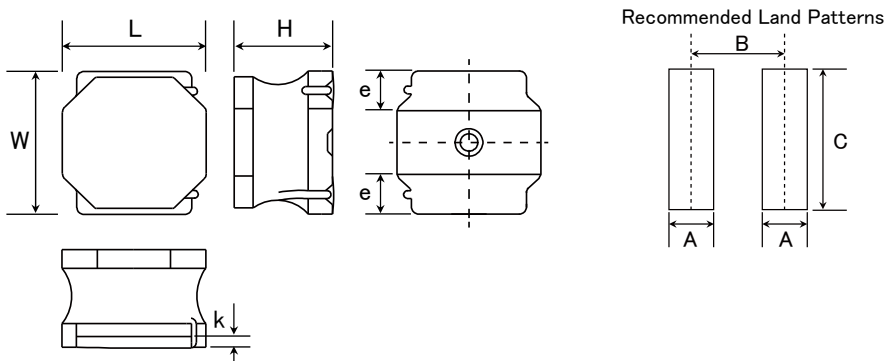


Type	A	B	C
3030	1.3	2.3	2.7
4040	1.5	3.3	3.5
5050	1.9	4.2	3.8
6060	2.4	5.0	4.8

Unit: mm

Type	L	W	H	e	k(ref)	Standard quantity [pcs] Taping
3030QK	3.0±0.2 (0.118±0.008)	3.0±0.2 (0.118±0.008)	1.5 max (0.059 max)	0.8±0.3 (0.031±0.012)	0.1 min (0.004 min)	2000
4040WK	4.0±0.2 (0.158±0.008)	4.0±0.2 (0.158±0.008)	2.0 max (0.079 max)	1.0±0.3 (0.039±0.012)	0.1 min (0.004 min)	700
5050WB	5.0±0.2 (0.197±0.008)	5.0±0.2 (0.197±0.008)	2.2 max (0.088 max)	1.3±0.3 (0.051±0.012)	0.2 min (0.008 min)	800
5050XA	5.0±0.2 (0.197±0.008)	5.0±0.2 (0.197±0.008)	3.1 max (0.122 max)	1.3±0.3 (0.051±0.012)	0.2 min (0.008 min)	500
6060XK	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	3.0 max (0.118 max)	1.65±0.3 (0.053±0.012)	0.3 min (0.012 min)	2000

Unit: mm(inch)



Type	A	B	C
6060	2.4	5.0	4.8

Unit: mm

Type	L	W	H	e	k(ref)	Standard quantity [pcs] Taping
6060YE	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	4.5 max (0.177 max)	1.65±0.3 (0.053±0.012)	0.3 min (0.012 min)	1500

Unit: mm(inch)

► This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (<http://www.ty-top.com/>).