

Multilayer Metal Power Inductors MCOIL™ LCCN 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.

REFLOW

AEC-Q200

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

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

PART NUMBER

L	C	C	N	F	2	0	1	2	K	K	T	1	R	0	M	A	
①				②			③		④		⑤		⑥		⑦		⑧

①Series

Code (1)(2)(3)(4)	
LCCN	Multilayer metal 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

(3) Type

Code	
C	Metal Multilayer

(4) Features, Characteristics

Code	
N	Standard Power choke

②Features

Code	Feature
F	5-surface electrode with polarity marking

③Dimensions (L × W)

Code	Type (inch)	Dimensions (L × W) [mm]
1608	1608 (0603)	1.6 × 0.8
2012	2012 (0805)	2.0 × 1.25

④Thickness

Code	Thickness [mm]
KK	1.0 max

⑤Packaging

Code	Packaging
T	Taping

⑥Nominal inductance

Code (example)	Nominal inductance [μH]
R24	0.24
R47	0.47
1R0	1.0

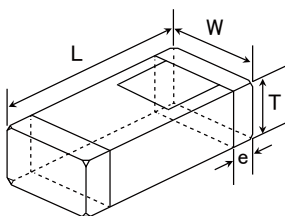
※R=Decimal point

⑦Inductance tolerance

Code	Inductance tolerance
M	±20%

⑧Internal code

STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



Type	L	W	T	e	Standard quantity [pcs]	
					Paper tape	Embossed tape
1608KK (0603)	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	1.0 max (0.039 max)	0.3±0.2 (0.012±0.008)	—	3000
2012KK (0805)	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	1.0 max (0.039 max)	0.5±0.3 (0.02±0.012)	—	3000

Unit: mm (inch)

Mouser Electronics

Authorized Distributor

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