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

PART NUMBER

- * Operating Temp.:- $40\sim+125$ °C(Including self-generated heat)
- * Operating Temp.:-55~+150°C(Including self-generated heat)

L	С	С	Ν	F	2	0	1	2	K	K	Т	1	R	0	М	Α		
	(1	$\overline{)}$		2		(3)		(2	4)	(5)		6		7		8	

1)Series

Code	
(1)(2)(3)(4)	
LCCN	Multilayer metal power inductor for Automotive Body & Chassis and Infotainment

(1) Product Group

	•
Code	
L	Inductors

(3) Type

Code	
С	Metal Multilayer

(2) Category

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

(4) Features, Characteristics

Code	
N	Standard Power choke

2Features

Code	Feature
F	5-surface electrode with polarity marking

⑤Packaging

Code	Packaging
Т	Taping

3Dimensions (L × W)

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

6 Nominal inductance

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

4)Thickness

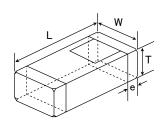
© Thickness				
Code	Thickness[mm]			
KK	1.0 max			

★R=Decimal point

①Inductance tolerance					
Code	Inductance tolerance				
M	+20%				

8 Internal code

■STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



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

Unit:mm(inch)

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