

Wire-wound Metal Power Inductors MCOIL™ LCEN 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	E	N	A	2	5	2	0	M	K	T	1	R	0	M	
①	②	③	④	⑤	⑥	⑦	⑧									

① Series

Code (1)(2)(3)(4)	
LCEN	Wire-wound 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

② Features

Code	Feature
A	5-surface electrode (Ag-resin × Sn-plate)

③ Dimensions (L × W)

Code	Dimensions (L × W) [mm]
2016	2.0 × 1.6
2520	2.5 × 2.0

④ Dimensions (T)

Code	Dimensions (T) [mm]
MK	1.2

(3) Type

Code	
E	Metal Wire-wound (High filling type)

(4) Features, Characteristics

Code	
N	Standard Power choke

⑤ Packaging

Code	Packaging
T	Taping

⑥ Nominal inductance

Code (example)	Nominal inductance [μH]
R47	0.47
1R0	1.0
4R7	4.7

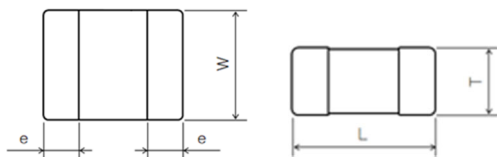
※R=Decimal point

⑦ Inductance tolerance

Code	Inductance tolerance
M	±20%

⑧ Internal code

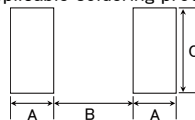
STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



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
2016	0.8	0.8	1.8
2520	0.85	1.2	2.2

Unit: mm

Type	L	W	T	e	Standard quantity [pcs] Taping
2016MK	2.0±0.2 (0.079±0.008)	1.6±0.2 (0.063±0.008)	1.2 max (0.047 max)	0.5±0.2 (0.020±0.008)	3000
2520MK	2.5±0.2 (0.098±0.008)	2.0±0.2 (0.079±0.008)	1.2 max (0.047 max)	0.6±0.3 (0.020±0.012)	3000

Unit: mm (inch)