

Wire-wound Metal Power Inductors MCOIL™ LSAN series

for General Electronic Equipment for Consumer

Code in front of Series have been extracted from Part number, which describes the segment of products, such as kinds and characteristics.

REFLOW

PART NUMBER

* Operating Temp.: -40~+105°C (Including self-generated heat)

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

① Series

Code (1)(2)(3)(4)	
LSAN	Wire-wound Metal Power Inductor for General Electronic Equipment for Consumer

(1) Product Group

Code	
L	Inductors

(2) Category

Code	Recommended equipment	Quality Grade
S	General Electronic Equipment for Consumer	3

(3) Type

Code	
A	Metal Wire-wound

(4) Features, Characteristics

Code	
N	Standard Power choke

② Features

Code	Feature
B	L-shape electrode (Ag-resin × Sn-plate)

③ Dimensions (L × W)

Code	Type (inch)	Dimensions (L × W) [mm]
2016	2016 (0806)	2.0 × 1.6
2520	2520 (1008)	2.5 × 2.0

④ Dimensions (T)

Code	Dimensions (T) [mm]
KK	1.0
MK	1.2

⑤ Packaging

Code	Packaging
T	Taping

⑥ Nominal inductance

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

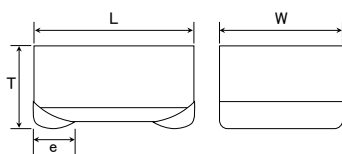
※R=Decimal point

⑦ Inductance tolerance

Code	Inductance tolerance
M	±20%

⑧ Internal code

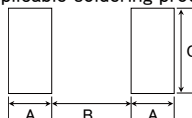
STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



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	0.7	0.8	1.8
2520	0.8	1.2	2.0

Unit : mm

Type	L	W	T	e	Standard quantity [pcs] Taping
2016KK	2.0±0.1 (0.079±0.004)	1.6±0.1 (0.063±0.004)	1.0 max (0.039 max)	0.5±0.3 (0.020±0.012)	3000
2520KK	2.5±0.2 (0.098±0.008)	2.0±0.2 (0.079±0.008)	1.0 max (0.039 max)	0.5±0.3 (0.020±0.012)	3000
2520MK	2.5±0.2 (0.098±0.008)	2.0±0.2 (0.079±0.008)	1.2 max (0.047 max)	0.5±0.3 (0.020±0.012)	3000

Unit : mm (inch)

Mouser Electronics

Authorized Distributor

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<u>LSANB2016KKTR33M</u>	<u>LSANB2520KKT1R5M</u>	<u>LSANB2520KKT3R3M</u>	<u>LSANB2520KKTR33M</u>	<u>LSANB2016KKT1R0M</u>
<u>LSANB2016KKT1R5M</u>	<u>LSANB2016KKT2R2M</u>	<u>LSANB2016KKT3R3M</u>	<u>LSANB2016KKT4R7M</u>	<u>LSANB2016KKTR24M</u>
<u>LSANB2016KKTR47M</u>	<u>LSANB2016KKTR68M</u>	<u>LSANB2520KKT1R0M</u>	<u>LSANB2520KKT2R2M</u>	<u>LSANB2520KKT4R7M</u>
<u>LSANB2520KKTR47M</u>	<u>LSANB2520KKTR68M</u>	<u>LSANB2520MKT1R0M</u>	<u>LSANB2520MKT2R2M</u>	
<u>LSANB2520MKT3R3M</u>	<u>LSANB2520MKT4R7M</u>	<u>LSANB2520MKTR47M</u>	<u>LSANB2520MKTR68M</u>	