

# Wire-wound Metal Power Inductors MCOIL™ LLAP series

## for Medical Devices classified as GHTF Classes A or B (Japan Classes I or II)

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~+125°C (Including self-generated heat)

\* Operating Temp.: -40~+105°C (Including self-generated heat) ※1 Parts Number reference

L	L	A	P	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)	
LLAP	Wire-wound Metal Power Inductor for Medical Devices classified as GHTF Classes A or B (Japan Classes I or II)

## (1) Product Group

Code	
L	Inductors

## (2) Category

Code	Recommended equipment	Quality Grade
L	Medical Devices classified as GHTF Classes A or B (Japan Classes I or II)	3

## (3) Type

Code	
A	Metal Wire-wound

## (4) Features, Characteristics

Code	
P	High current 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

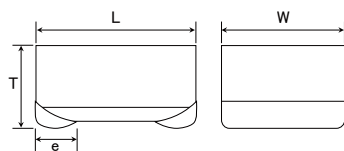
※R=Decimal point

## ⑦ Inductance tolerance

Code	Inductance tolerance
M	±20%

## ⑧ Internal code

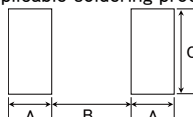
## STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



## 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)