

# Wire-wound Metal Power Inductors MCOIL™ LLEU 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)

L	L	E	U	C	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)	
LLEU	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

## (3) Type

Code	
E	Metal Wire-wound (High filling type)

## (2) Category

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

## (4) Features, Characteristics

Code	
U	High strength power choke

## ② Features

Code	Feature
C	Bottom electrode (Ag-resin × Sn-plate)

## ⑤ Packaging

Code	Packaging
T	Taping

## ③ Dimensions (L × W)

Code	Dimensions (L × W) [mm]
2012	2.0 × 1.25
2016	2.0 × 1.6
2520	2.5 × 2.0
3225	3.2 × 2.5

## ⑥ Nominal inductance

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

※R=Decimal point

## ④ Dimensions (T)

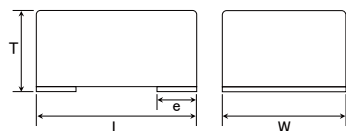
Code	Dimensions (T) [mm]
HK	0.8
KK	1.0

## ⑦ Inductance tolerance

Code	Inductance tolerance
M	±20%

## ⑧ Internal code

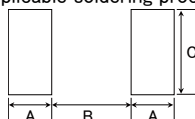
■ STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



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
2012	0.8	0.6	1.4
2016	0.8	0.6	1.8
2520	1.0	0.8	2.2
3225	1.1	1.3	2.7

Unit : mm

Type	L	W	T	e	Standard quantity [pcs] Taping
2012HK	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.8 max (0.031 max)	0.6±0.3 (0.024±0.012)	3000
2012KK	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	1.0 max (0.039 max)	0.6±0.3 (0.024±0.012)	3000
2016HK	2.0±0.2 (0.079±0.008)	1.6±0.2 (0.063±0.008)	0.8 max (0.031 max)	0.6±0.3 (0.024±0.012)	3000
2016KK	2.0±0.2 (0.079±0.008)	1.6±0.2 (0.063±0.008)	1.0 max (0.039 max)	0.6±0.3 (0.024±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)	0.8±0.3 (0.031±0.012)	3000
3225HK	3.2±0.2 (0.126±0.008)	2.5±0.2 (0.098±0.008)	0.8 max (0.031 max)	1.0±0.3 (0.039±0.012)	3000

Unit : mm (inch)