

Wire-wound Metal Power Inductors MCOIL™ LLEP 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	P	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)	
LLEP	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	
P	High current 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 × 1.2
2016	2.0 × 1.6
2520	2.5 × 2.0

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

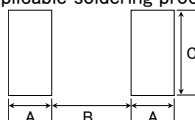
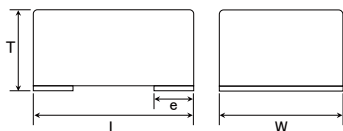
STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY

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	0.7	0.8	1.4
2016	0.7	0.8	1.8
2520	0.9	1.0	2.2

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)	0.5±0.3 (0.020±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)	0.5±0.3 (0.020±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)	0.5±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)	0.65±0.3 (0.026±0.012)	3000

Unit: mm (inch)