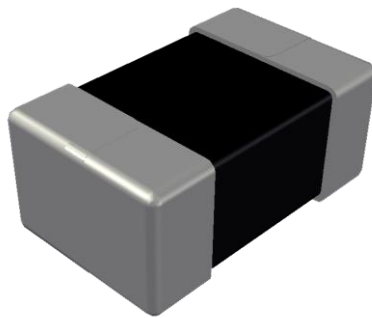


ABCO Chip Ferrite Inductor

LPP252010-U Series



5448-4, Sangdaewon-dong, Jungwon-gu,
Seongnam-si, Gyeonggi-do, KOREA

Sales Dept. TEL:82-31-730-5082

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ABCO ELECTRONICS CO., LTD.

LPP252010-U Series



<http://www.abco.co.kr>

▣ Features

This specification applies to Molding power inductors

▣ Ordering Code

LPP **252010** **T** - **R47** **M** - **U**
① ② ③ ④ ⑤ ⑥

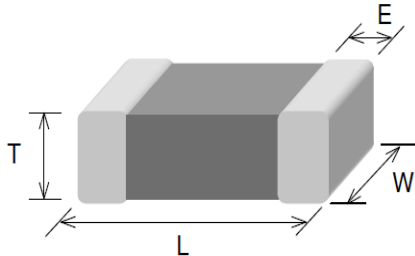
① Type		② Dimensions(mm)		③ Packing	
LPP		252010 : 2.5(L) × 2.0(W) × 0.9(T)		T	Taping Type.
④ Inductance(uH)		⑤ Tolerance		⑥ Internal Code	
R47	0.47	M	±20%	U	

LPP252010-U Series



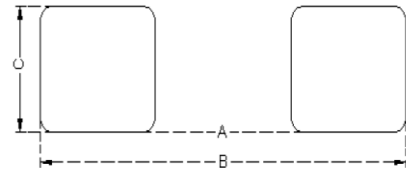
<http://www.abco.co.kr>

▣ Shapes and Dimensions



Series	L(mm)	W(mm)	T(mm)	E(mm)
LPP252010-U	2.5±0.2	2.0±0.2	0.9±0.1	0.6±0.3

▣ Recommended PC Board Pattern



A(mm)	B(mm)	C(mm)
1.2	2.8	2.3

▣ Electrical Characteristics

Part No.	Inductance	Test Freq.	Rdc(mΩ)	Isat(A)	Irms(A)
	(μH)	(MHz)	Max.(Typ.)	Max.(Typ.)	Max.(Typ.)
LPP252010T-R47M-U	0.47±20%	2	27(21)	5.5(6.5)	4.2(4.5)

1. Testing Instrument

- L : Agilent E4991/HP4286A+16197A (or equivalent), 2MHz 0.2V
- RDC : CHEN HWA502BC/HP4338B (or equivalent)
- Isat : Agilent E4980A+HP42841A (or equivalent)
- Irms : Agilent 6641 SYSTEM DC POWER SUPPLY (or equivalent)

2. Isat for Inductance drop 30% from its value without current.

3. Irms for a 40°C temperature rise from 25°C ambient.

4. Rated current: Isat or Irms, whichever is smaller

5. Operate temp. range : -40°C ~ +125°C (including self temp. rise)