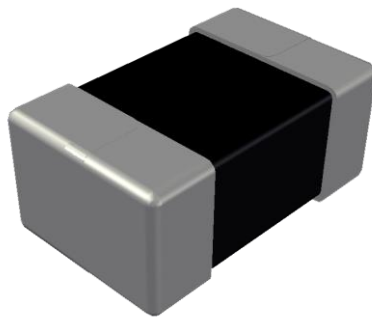


ABCO Chip Ferrite Inductor

AEC-Q200

LPP252012-A2 Series



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

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

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Eng. Dept. TEL:82-31-730-5034

FAX:82-31-730-5132

▣ Features

This specification applies to Molding power inductors

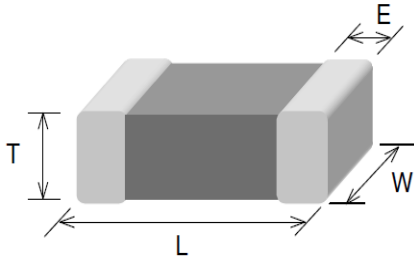
▣ Ordering Code

LPP
 252012
 T -
 1R0
 M -
 A2

①
 ②
 ③
 ④
 ⑤
 ⑥

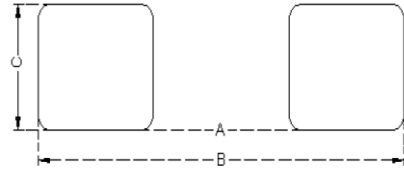
① Type	② Dimensions(mm)	③ Packing
LPP	252012 : 2.5(L) × 2.0(W) × 1.2(T)	T Taping Type.
④ Inductance(uH)	⑤ Tolerance	⑥ Internal Code
R47 0.47	M ±20%	A2

▣ Shapes and Dimensions



Series	L(mm)	W(mm)	T(mm)	E(mm)
LPP252012-A2	2.5±0.2	2.0±0.2	1.2 Max.	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.)
LPP252012T-R47M-2A	0.47±20%	2	26.5(22.5)	5.3(6.2)	4.0(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)