

## COMPONENT SPECIFICATION

Name	Multilayer Power Inductors	COMPONENT SPECIFICATION		1 / 7
	MLIC-201209-R47M-2			

### 1. Scope

This specification applies to the MLIC-2012 series Multilayer Power Inductors

### 2. Standard and Atmospheric Conditions

Unless otherwise specified the standard range of atmospheric conditions for making measurements and tests is as follows:

Ambient temperature : 20±15°C

Relative humidity : 30~70%

If there may be any doubt on the results, measurements shall be made within the following limits :

Ambient temperature : 25±5°C

Relative humidity : 30~70%

### 3. Ratings

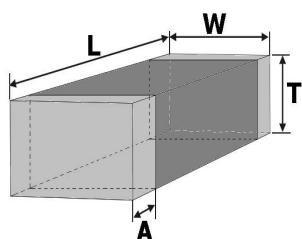
PART NO	INDUCTANCE	SELF-RESONANT FREQUENCY(MHz)	DC RESISTANCE (Ω)	※ RATED CURRENT (mA)Max
	AT1 MHz 250mV	Min		
MLIC-201209-R47M-2	4.7μH±20%	30	0.26±20%	800

※The maximum rated current is measured at ambient temperature increasing to 40 °C within 2 hours.

Regarding to the inductance variability of rated current, please refer to page 2:

Inductance Vs. DC superposition characteristics.

### 4. Dimensions



OPERATING TEMP. RANGE : -55°C ~ +125°C

STORAGE TEMP. RANGE : -40°C ~ +85°C

	TYPE	L	W	T	A(m/m)
unit: mm (inch)	MLIC-201209	2±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	0.9±0.1 (0.035±0.004)	0.3~0.7 (0.012~0.028)

PLANNED BY	CHECKED BY	APPROVED BY	
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