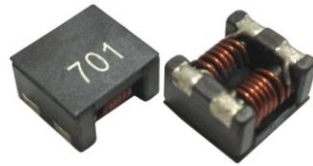


RoHS Compliant  
Halogen Free  
REACH Compliant



Noise  
Suppression

Wire  
Wound

Ferrite

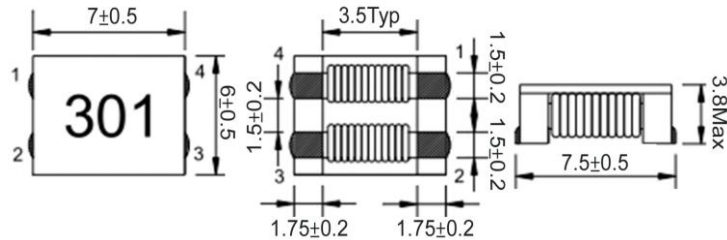
Automotive  
Power line

## Part Numbering

L	PPM	00	070638	800	X	Y0
Grade	Series Name	Control Code	Dimensions Code (mm)	Impedance ( $\Omega$ ) Min	Tolerance	Internal Code
			070638 7x6x3.8	800 80 $\Omega$		Y0
			090748 9x7x4.8	101 100 $\Omega$		Z0
			121165 12x10.8x6.5	701 500 $\Omega$		
			151365 15x13x6.5			

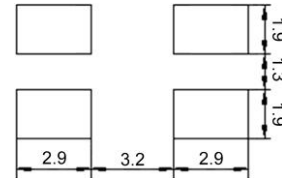
## LPPM00070638 - Y0 Type

### ■ Dimensions



unit:mm

### ■ Recommended Land Pattern



unit:mm

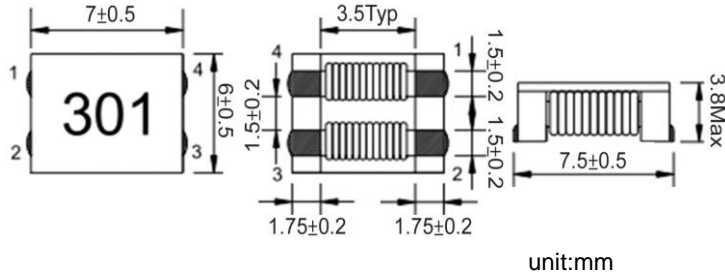
### ■ Electrical Characteristics

Part No.	Impedance( $\Omega$ )		Test Freq.	RDC (m $\Omega$ )Max.	Rated Current (A) Max	Insulation Resistance (M $\Omega$ ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00070638101XY0	100	140	100 MHz,0.5 V	10	9	10	80	101
LPPM00070638301XY0	225	300	100 MHz,0.5 V	10	5	10	80	301
LPPM00070638701XY0	500	700	100 MHz,0.5 V	15	4	10	80	701
LPPM00070638102XY0	800	1020	100 MHz,0.5 V	17	3	10	80	102
LPPM00070638132XY0	910	1300	100 MHz,0.5 V	21	2.5	10	80	132
LPPM00070638272XY0	2000	2700	100 MHz,0.5 V	63	1	10	80	272
LPPM00070638302XY0	2500	3000	100 MHz,0.5 V	75	0.9	10	80	302

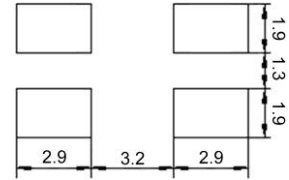
- Operating temperature range -  $40^{\circ}\text{C}$  ~  $125^{\circ}\text{C}$ (Including self - temperature rise)
- Rated Current: Based on temperature rise ( $\Delta T:40^{\circ}\text{C}$  Typ.)
- Measure Equipment:
  - Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
  - RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)
  - Rated Current : WK3255BQ+ WK3265B (or equivalent)
  - I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

## LPPM00070638 - Z0 Type

### ■ Dimensions



### ■ Recommended Land Pattern



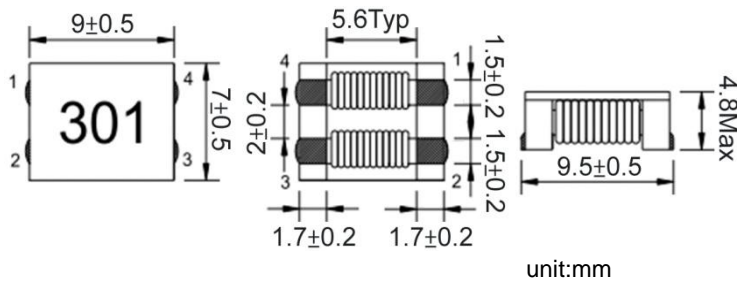
### ■ Electrical Characteristics

Part No.	Impedance( $\Omega$ )		Test Freq.	RDC (m $\Omega$ )Max.	Rated Current (A) Max	Insulation Resistance (M $\Omega$ ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00070638101XZ0	100	140	100 MHz,0.5 V	10	9	10	80	101
LPPM00070638301XZ0	225	300	100 MHz,0.5 V	10	5	10	80	301
LPPM00070638701XZ0	500	700	100 MHz,0.5 V	15	4	10	80	701
LPPM00070638102XZ0	800	1020	100 MHz,0.5 V	17	3	10	80	102
LPPM00070638132XZ0	910	1300	100 MHz,0.5 V	21	2.5	10	80	132
LPPM00070638272XZ0	2000	2700	100 MHz,0.5 V	63	1	10	80	272
LPPM00070638302XZ0	2500	3000	100 MHz,0.5 V	75	0.9	10	80	302

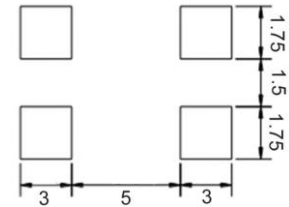
- Operating temperature range -  $50^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (Including self - temperature rise)
- Rated Current: Based on temperature rise ( $\Delta T:40^{\circ}\text{C}$  Typ.)
- Measure Equipment:  
 Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)  
 RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)  
 Rated Current : WK3255BQ+ WK3265B (or equivalent)  
 I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

## LPPM00090748 - Y0 Type

### ■ Dimensions



### ■ Recommended Land Pattern



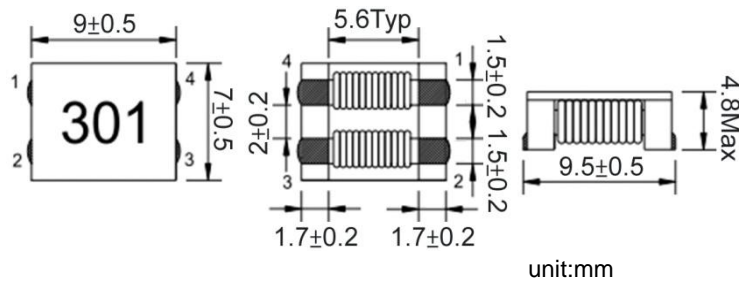
### ■ Electrical Characteristics

Part No.	Impedance( $\Omega$ )		Test Freq.	RDC (m $\Omega$ )Max.	Rated Current (A) Max	Insulation Resistance (M $\Omega$ ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00090748301XY0	225	300	100 MHz, 0.5 V	6	6	10	80	301
LPPM00090748501XY0	450	600	100 MHz, 0.5 V	8	5.5	10	80	501
LPPM00090748701XY0	500	700	100 MHz, 0.5 V	10	5	10	80	701
LPPM00090748102XY0	750	1000	100 MHz, 0.5 V	13	4	10	80	102
LPPM00090748222XY0	1700	2200	100 MHz, 0.5 V	60	2.5	10	80	222
LPPM00090748272XY0	2000	2700	100 MHz, 0.5 V	86	2	10	80	272

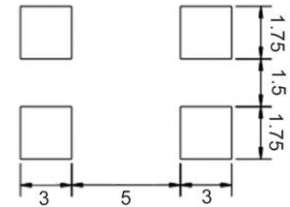
- Operating temperature range -  $40^{\circ}\text{C} \sim 125^{\circ}\text{C}$  (Including self - temperature rise)
- Rated Current: Based on temperature rise ( $\Delta T: 40^{\circ}\text{C}$  Typ.)
- Measure Equipment:
  - Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
  - RDC : CHROMA MODEL 16502 MILLIOHMETER (or equivalent)
  - Rated Current : WK3255BQ+ WK3265B (or equivalent)
  - I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

## LPPM00090748 - Z0 Type

### ■ Dimensions



### ■ Recommended Land Pattern



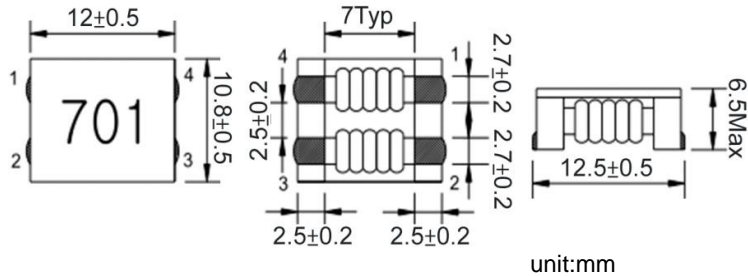
### ■ Electrical Characteristics

Part No.	Impedance( $\Omega$ )		Test Freq.	RDC (m $\Omega$ )Max.	Rated Current (A) Max	Insulation Resistance (M $\Omega$ ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00090748301XZ0	225	300	100 MHz, 0.5 V	6	6	10	80	301
LPPM00090748501XZ0	450	600	100 MHz, 0.5 V	8	5.5	10	80	501
LPPM00090748701XZ0	500	700	100 MHz, 0.5 V	10	5	10	80	701
LPPM00090748102XZ0	750	1000	100 MHz, 0.5 V	13	4	10	80	102
LPPM00090748222XZ0	1700	2200	100 MHz, 0.5 V	60	2.5	10	80	222
LPPM00090748272XZ0	2000	2700	100 MHz, 0.5 V	86	2	10	80	272

- Operating temperature range -  $50^{\circ}\text{C}$  ~  $150^{\circ}\text{C}$  (Including self - temperature rise)
- Rated Current: Based on temperature rise ( $\Delta T: 40^{\circ}\text{C}$  Typ.)
- Measure Equipment:
  - Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
  - RDC : CHROMA MODEL 16502 MILLIOHMETER (or equivalent)
  - Rated Current : WK3255BQ+ WK3265B (or equivalent)
  - I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

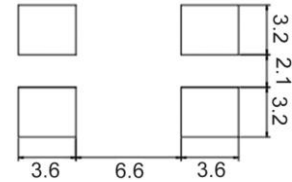
## LPPM00121165 - Y0 Type

### ■ Dimensions



unit:mm

### ■ Recommended Land Pattern



unit:mm

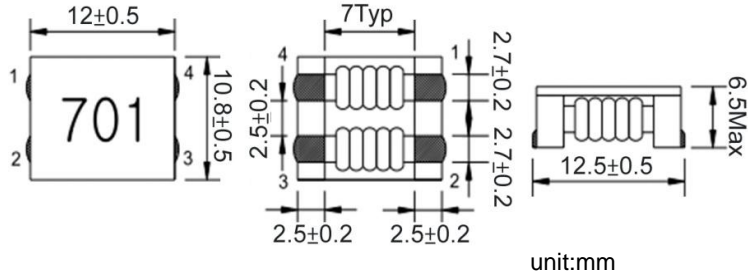
### ■ Electrical Characteristics

Part No.	Impedance(Ω)		Test Freq.	RDC (mΩ)Max.	Rated Current (A) Max	Insulation Resistance (MΩ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00121165800XY0	80	230	100 MHz,0.5 V	2.2Typ	10	10	80	800
LPPM00121165701XY0	500	700	100 MHz,0.5 V	6	8	10	80	701
LPPM00121165801XY0	600	800	100 MHz,0.5 V	8	8	10	80	801
LPPM00121165102XY0	750	1000	100 MHz,0.5 V	14	6	10	80	102
LPPM00121165222XY0	2200	2500	10 MHz,0.5 V	35	1.8	10	80	222
LPPM00121165272XY0	2300	2700	10 MHz,0.5 V	50	1.5	10	80	272

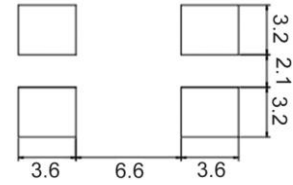
- Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)
- Rated Current: Based on temperature rise ( $\Delta T$ :40°C Typ.)
- Measure Equipment:  
 Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)  
 RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)  
 Rated Current : WK3255BQ+ WK3265B (or equivalent)  
 I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

## LPPM00121165 - Z0 Type

### ■ Dimensions



### ■ Recommended Land Pattern



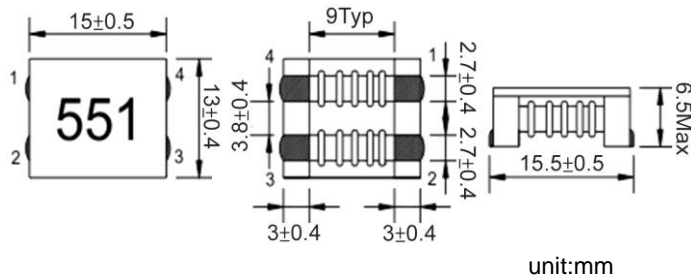
### ■ Electrical Characteristics

Part No.	Impedance( $\Omega$ )		Test Freq.	RDC (m $\Omega$ )Max.	Rated Current (A) Max	Insulation Resistance (M $\Omega$ ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00121165800XZ0	80	230	100 MHz, 0.5 V	2.2Typ	10	10	80	800
LPPM00121165701XZ0	500	700	100 MHz, 0.5 V	6	8	10	80	701
LPPM00121165801XZ0	600	800	100 MHz, 0.5 V	8	8	10	80	801
LPPM00121165102XZ0	750	1000	100 MHz, 0.5 V	14	6	10	80	102
LPPM00121165222XZ0	2200	2500	10 MHz, 0.5 V	35	1.8	10	80	222
LPPM00121165272XZ0	2300	2700	10 MHz, 0.5 V	50	1.5	10	80	272

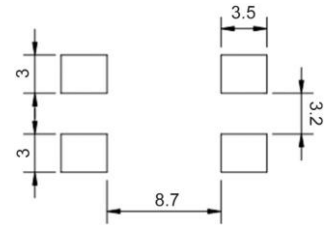
- Operating temperature range -  $50^{\circ}\text{C} \sim 150^{\circ}\text{C}$  (Including self - temperature rise)
- Rated Current: Based on temperature rise ( $\Delta T: 40^{\circ}\text{C}$  Typ.)
- Measure Equipment:  
 Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)  
 RDC : CHROMA MODEL 16502 MILLIOHMETER (or equivalent)  
 Rated Current : WK3255BQ+ WK3265B (or equivalent)  
 I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

## LPPM00151365 - Y0 Type

### ■ Dimensions



### ■ Recommended Land Pattern



### ■ Electrical Characteristics

Part No.	Impedance(Ω)		Test Freq.	RDC (mΩ)Max.	Rated Current (A) Max	Insulation Resistance (MΩ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00151365301XY0	250	300	100 MHz,0.5 V	4.7	13	10	80	301
LPPM00151365551XY0	450	550	100 MHz,0.5 V	3.8±20%	10	10	80	551
LPPM00151365701XY0	500	700	100 MHz,0.5 V	7	10	10	80	701
LPPM00151365152XY0	1100	1500	50 MHz,0.5 V	9	8.5	10	80	152

1. Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)

2. Rated Current: Based on temperature rise ( $\Delta T$ :40°C Typ.)

3. Measure Equipment:

Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)

RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)

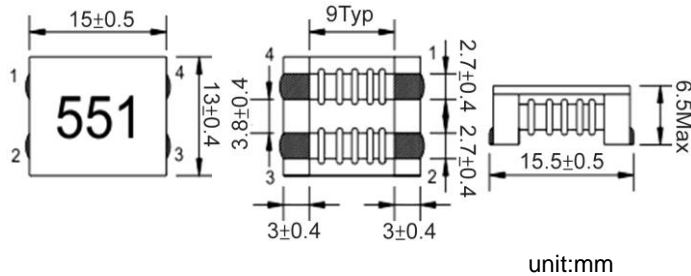
Rated Current : WK3255BQ+ WK3265B (or equivalent)

I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

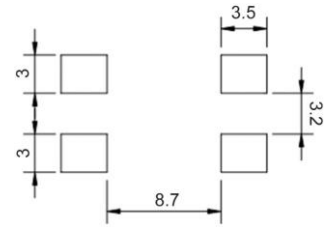


## LPPM00151365 - Z0 Type

### ■ Dimensions



### ■ Recommended Land Pattern



### ■ Electrical Characteristics

Part No.	Impedance(Ω)		Test Freq.	RDC (mΩ)Max.	Rated Current (A) Max	Insulation Resistance (MΩ) Min	Rated Voltage (V) Max	Marking
	Min.	Typ.						
LPPM00151365301XZ0	250	300	100 MHz,0.5 V	4.7	13	10	80	301
LPPM00151365551XZ0	450	550	100 MHz,0.5 V	3.8±20%	10	10	80	551
LPPM00151365701XZ0	500	700	100 MHz,0.5 V	7	10	10	80	701
LPPM00151365152XZ0	1100	1500	50 MHz,0.5 V	9	8.5	10	80	152

1. Operating temperature range - 50°C ~ 150°C(Including self - temperature rise)

2. Rated Current: Based on temperature rise ( $\Delta T$ :40°C Typ.)

3. Measure Equipment:

Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)

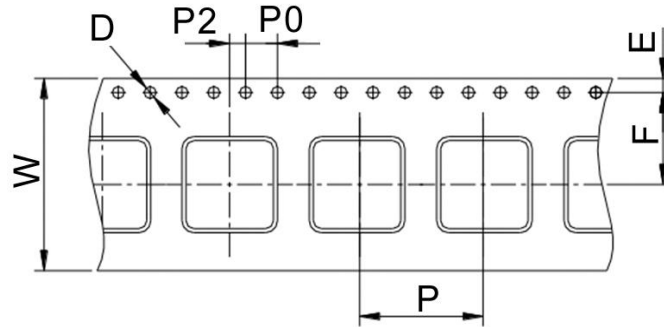
RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)

Rated Current : WK3255BQ+ WK3265B (or equivalent)

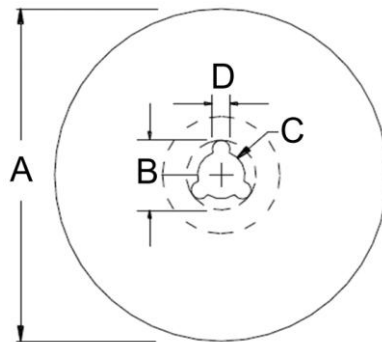
I.R : CHROMA MODEL 19073 AC/DC/IR HIPOT TESTER (or equivalent)

## ■ Packaging

### Tape Dimensions



### Reel Dimensions



### Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity PCS / REEL
	W	D	E	F	P	P0	P2	A	B	C	D	
LPPM00070638	16	1.5	1.75	7.5	12	4	2	330	20	13	2	1500
LPPM00090748	24	1.5	1.75	11.5	16	4	2.02	330	20	13	2	700
LPPM00121165	24	1.5	1.75	11.5	16	4	2	330	20	13	2	500
LPPM00151365	24	1.5	1.75	11.5	20	4	2	330	20	13	2	450

Shanghai Leiditech Electronic Co.,Ltd  
 Email: sale1@leiditech.com  
 Tel : +86- 021 50828806  
 Fax : +86- 021 50477059