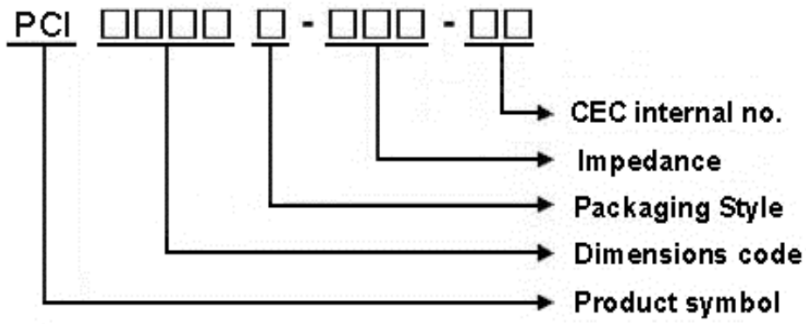
# PCI0420T Series Specification

## 1 Scope: This specification applies to EMI Filter

## 2 Part Numbering:

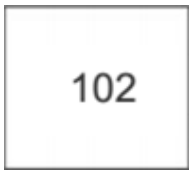



## 3 Rating:

Operating Temperature: －４０℃ ~ １０５℃(Including self - temperature rise)

Storage Temperature: ２０℃ ~ ２５℃ R.H.６５%(In Tape & Reel Condition)

## 4 Marking:



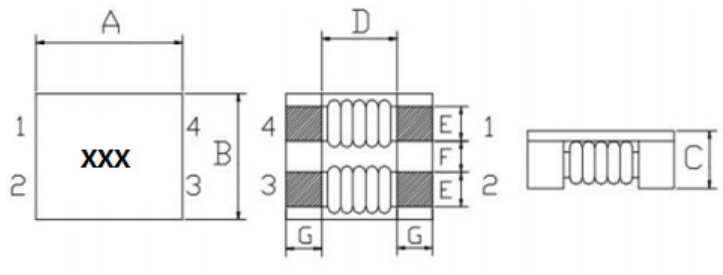

**Ex: PCI0420T-102- AU**
**Marking: 102**
**Marking color: White**

## 5 Standard Testing Condition

| | Unless otherwise specified | In case of doubt |
|---|---|---|
| Temperature | Ordinary Temperature(15 to 35℃) | 20 to 30℃ |
| Humidity | Ordinary Humidity(25 to 85% RH) | 50 to 80 %RH |

# PCI0420T Series Specification

## 6 Configuration and Dimensions:




**Dimensions in mm**

| | |
|---|---|
| A | 4.7 ±0.5 |
| B | 4.5 ±0.5 |
| C | 2.0MAX |
| D | 2.7 TYP |
| E | 0.75 TYP |
| F | 1.25 TYP |
| G | 1.0 TYP |

## 7 Electrical Characteristics:

| Part No. | Inpedance (Ω )Min/Typ. | Test Freq. | RDC (mΩ)Max. | Irms (A) | IR (mΩ)Min. | Rated Voitage (V)Max | Marking |
|---|---|---|---|---|---|---|---|
| PCI0420T-900-AU | 30/60 | 100MHz,0.1 V | 35 | 3.2 | 10 | 50 | 900 |
| PCI0420T-151-AU | 80/140 | 100MHz,0.1 V | 40 | 3.1 | 10 | 50 | 151 |
| PCI0420T-231-AU | 180/230 | 100MHz,0.1 V | 50 | 3.0 | 10 | 50 | 231 |
| PCI0420T-301-AU | 100/260 | 100MHz,0.1 V | 45 | 3.0 | 10 | 50 | 301 |
| PCI0420T-401-AU | 200/400 | 100MHz,0.1 V | 50 | 2.5 | 10 | 50 | 401 |
| PCI0420T-701-AU | 500/700 | 100MHz,0.1 V | 59 | 2.2 | 10 | 50 | 701 |
| PCI0420T-102-AU | 800/1000 | 100MHz,0.1 V | 68 | 2.1 | 10 | 50 | 102 |
| PCI0420T-122-AU | 1000/1200 | 100MHz,0.1 V | 74 | 2.0 | 10 | 50 | 122 |
| PCI0420T-142-AU | 1200/1400 | 100MHz,0.1 V | 81 | 1.9 | 10 | 50 | 142 |

**NOTE: □-tolerance M=±20%**

1.Operating temperature range －４０℃～１０５℃(Including self - temperature rise)

2.Irms for a 40℃ temperature rise from 25℃ ambient.

3.Z:1,2-4,3 Common mode

-AU FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

4.AEC-Q200 qualified.

# PCI0420T Series Specification

## 8 PCI0420T Series

### 8.1 Construction:



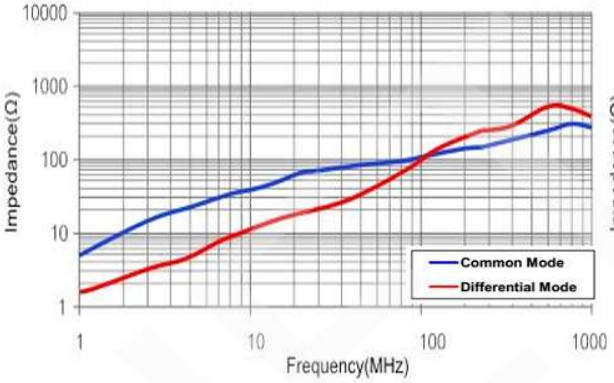

### 8.2 Material List:

| NO. | Item | Description |
|---|---|---|
| 1 | Core | Ferrite |
| 2 | Cover | Mylar |
| 3 | Wire | P180 Grd1 |
| 4 | Ink | Black |

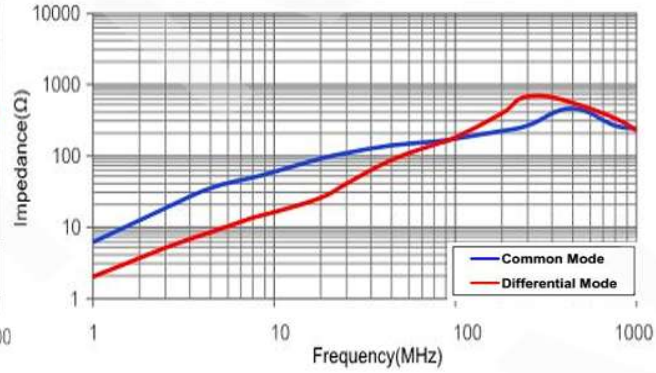
# PCI0420T Series Specification

## 9 Graph:

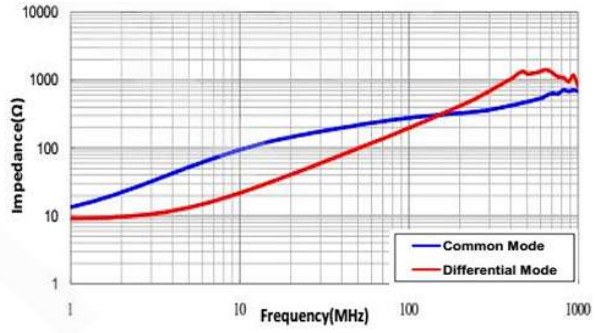
### PCI0420T-900-AU



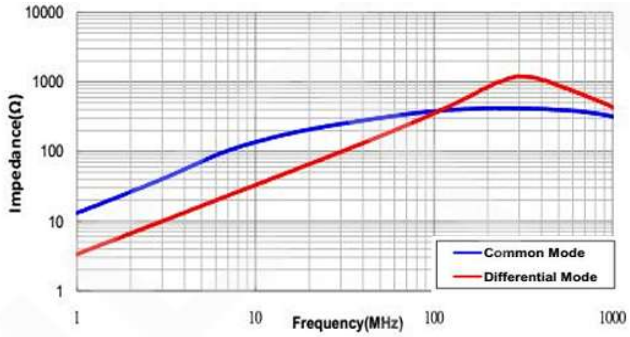

### PCI0420T-151-AU



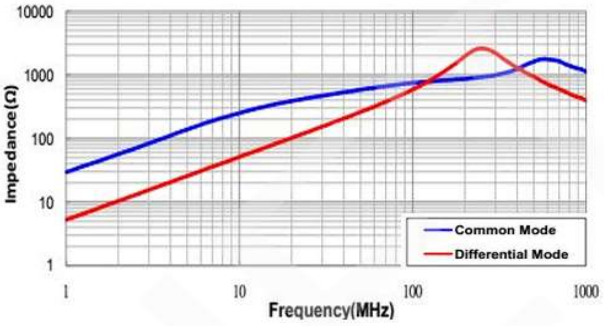

### PCI0420T-231-AU&301



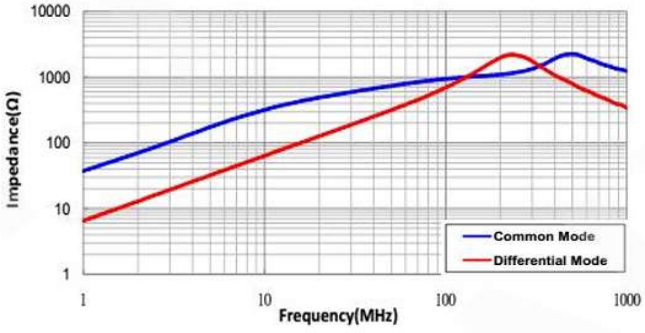

### PCI0420T-401-AU



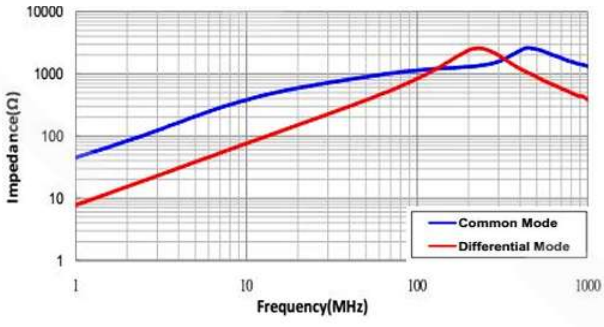

### PCI0420T-701-AU



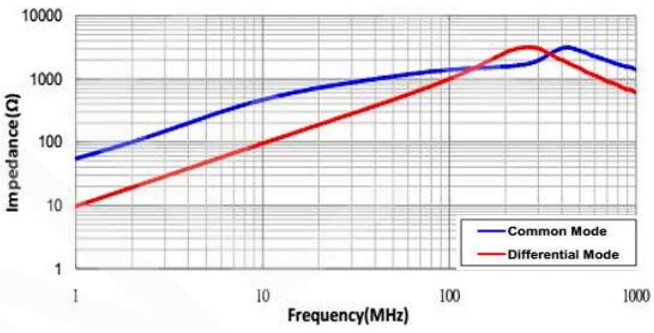

### PCI0420T-102-AU




### PCI0420T-122-AU

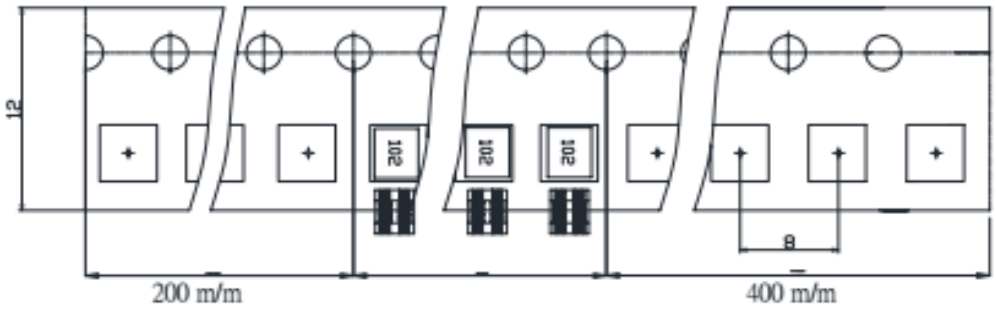



### PCI0420T-142-AU

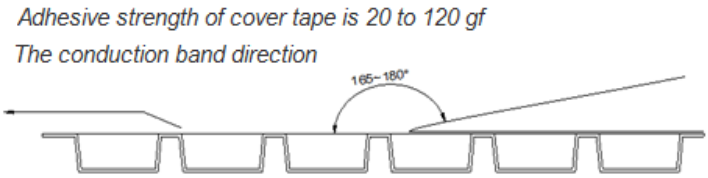


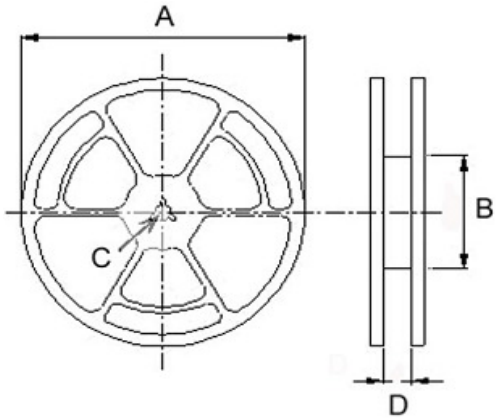
# PCI0420T Series Specification

## 10 Packaging:




Transparent carrier and cover tape/透明载带和自粘上带




| Reel Dimensions（Unit: mm） | | | | Quantity |
|---|---|---|---|---|
| A | B | C | D | Pcs/Reel |
| 178 | 100 | 13 | 12.5 | 1000 |

## 11 Note:

1. Please make sure that your product has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose,under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)
5. The moisture sensitivity level (MSL) of products is classified as level 1.

NOTICE
Leiditech reserves the right to make modifications,enhancements,improvements,corrections or other changes without further notice to any product herein. Leiditech does not assume any liability arising out of the application or use of any product described herein.

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