

*ISO9001 ISO14001 IATF16949* CHILISIN ELECTRONICS CORP. RoHS & Halogen Free & REACH Compliance.

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### SPECIFICATION FOR APPROVAL

Customer	
<b>Ullistomer</b>	-
Gustomor	•

Customer P/N:

Drawing No:

Quantity :

Pcs. Date :

Chilisin P/N :

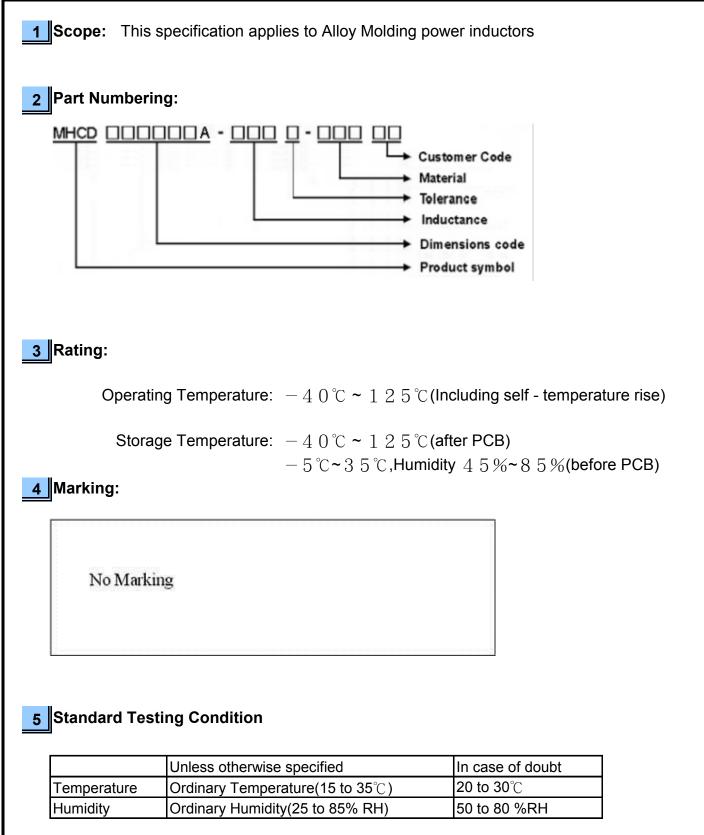
MHCD201610A-1R0M-A8LEP

2020/03/19

		FICATION PTED BY:	
COMPONENT			
ENGINEER			
ELECTRICAL			
ENGINEER			
MECHANICAL			
ENGINEER			
APPROVED			
REJECTED			
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奇力新電子(越南廠)有限公司 Chilisin Electronics (Vietnam) Limited No 143 - 145, Road No 10, VSIP Hai Phong, Lap Le Commune, Thuy Nguyen Dist, Haiphong City, Vietnam Tel : 84-316 255 688 Fax : 84-316 255 689 E-mail : sales@chilisin.com		No. 8, Shaziao Liang	ronics Technology Co., Ltd yshuijing Town, Yuanling y, Hunan Province 419601, 82
Drawn by 潘梅花		ecked by wayne.wu	Approved by 葉秀發 <b>Alfa</b>



# MHCD201610A Series Specification





### **MHCD201610A Series Specification**

#### 6 Configuration and Dimensions: CORE Dimensions in mm TERMINAL ELECTRODE TYPE MHCD201610A 2.0±0.2 А D. D в 1.6±0.2 С 1.0 Max. D 0.5±0.3 в 7 Electrical Characteristics: Test Freq. Inductance Tolerance Irms(A) Isat(A) RDC(mΩ) Part No. (uH) Max.(Typ) (±%) Max.(Typ) Max.(Typ) 20 MHCD201610A-1R0M-A8LEP 1 2MHz,0.2V 2.7(3.3) 3.0(3.6) 62(53)

Note:

1.Operating temperature range  $-~4~0~\degree$  ~  $1~2~5~\degree$  (Including self - temperature rise)

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

3.Irms for a 40  $^\circ\!\mathrm{C}$  temperature rise from 25  $^\circ\!\mathrm{C}$  ambient.

4.All test data is referenced to  $25^\circ\!\mathbb{C}$  ambient

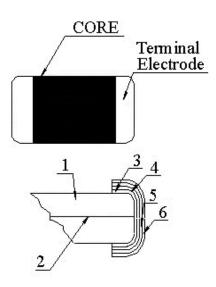
5.Absolute maximum voltage 20VDC

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



# **MHCD201610A Series Specification**

#### 8 MHCD201610A Series 8.1 Construction:



#### 8.2 Material List:

No	Part	Material
1	Core	Metal Powder
2	Wire	Copper wire
3	Sputter/Plating	Cu
4	Silver Electrode	Ag
5	Plating	Ni
6	Plating	Sn

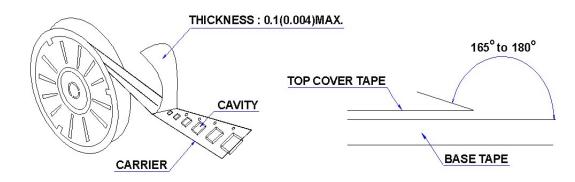


# **MHCD201610A Series Specification**

### 9 Packaging:

### 9.1 Packaging -Cover Tape

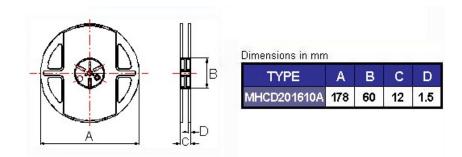
The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



#### 9.2 Packaging Quantity

TYPE	PCS/REEL
MHCD201610A	3000

#### 9.3 Reel Dimensions

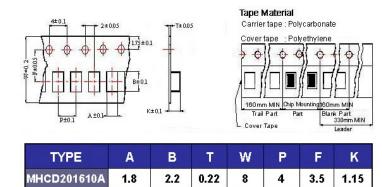




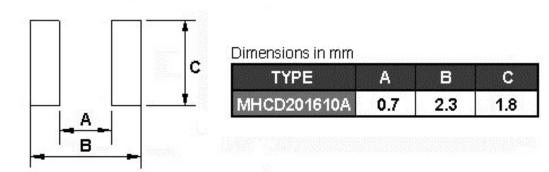
# **MHCD201610A Series Specification**

### 9 Packaging:

#### 9.4 Tape Dimensions in mm



### 10 Recommended Land Pattern:



#### 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.After manufacturing process, there might be slight irregular shape on the edge of the products, and it's a normal phenomenon that can be neglected
- 6. The moisture sensitivity level (MSL) of products is classified as level 1.



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