

# SPECIFICATION

<b>CUSTOMER</b>	
<b>PRODUCT NAME</b>	Molding Choke
<b>YUNSHENG PART No.</b>	YMC04191R3MC1
<b>CUSTOMER PART No.</b>	
<b>RELEASE DATE</b>	2018/11/23

【New Released, Revised】

CUSTOMER APPROVE :

THE SPECIFICATION HAS BEEN ACCEPTED.

CONFIRMED :

APPROVED :

DATE :

宁波韵升电子元器件技术有限公司  
Ningbo Yunsheng Electronic Components  
Technology Co., Ltd.  
地址：浙江省宁波市国家高新区沧海路 225 号  
Add: NO.225 Canghai Road, National Hi-tech  
District ,Ningbo City,Zhejiang province.  
Tel :0574-27861369 Fax:0574-27861307

REPORTED BY	CHECKED BY	APPROVED BY

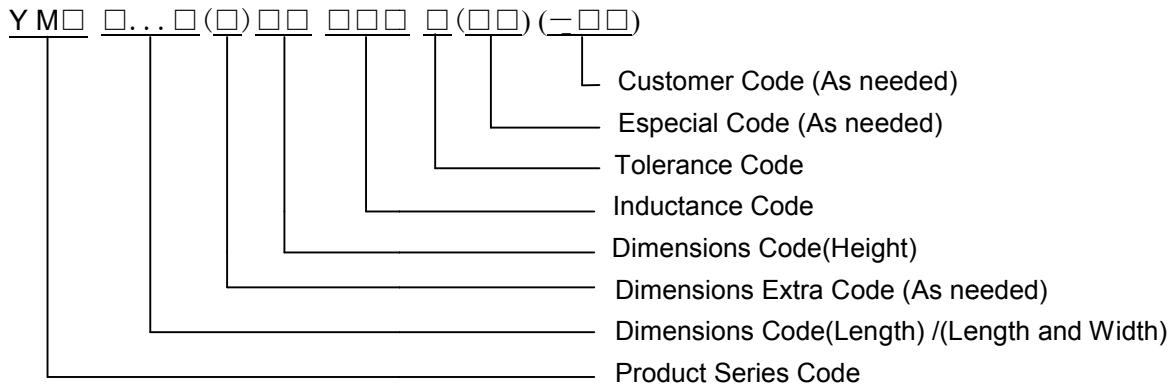
Change Record:

CHANGE DATE	CHANGE WRITING	YUNSHENG PART NO.	VERSION
2018/11/23	New Version	YMC04191R3MC1	A/0
	Following Blank		

### 1 Scope

This specification applies to the large current, low loss power molding choke.

### 2 Product Identification (Part Number)



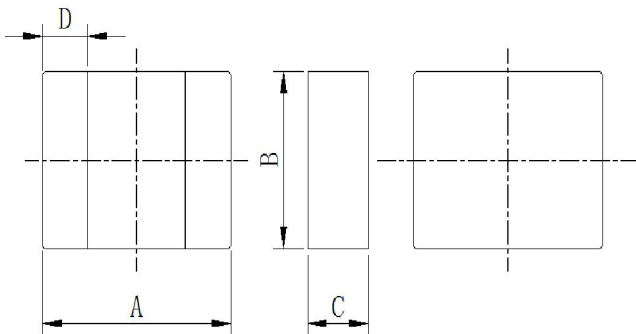
### 3 Rating

- a. Operating temperature range : -40°C~+125°C. ( Including self - temperature rise )
- b. Storage Temperature < 35°C ,Humidity< 75% RH.

### 4 Standard Testing Condition

Temperature	Ambient Temperature(25±3°C)
Humidity	Ambient Humidity(60±20% RH)

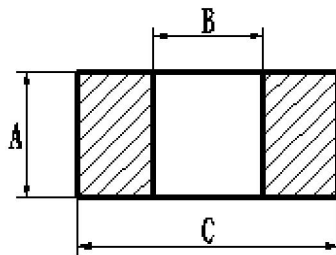
### 5 Configuration and Dimensions



Type	Dimensions ( mm )
A	4.4±0.3
B	4.2±0.3
C	1.7±0.2
D	0.8±0.3

Coating : No Gray Black

## Recommend Land Pattern Dimensions



Type	Dimensions ( mm )
A	4.5
B	2.6
C	5.2

## 6 Electrical Characteristic

Part NO.	Inductance ( $\mu\text{H}$ )	Test conditions	I <sub>rms</sub> (A) Typ.	I <sub>sat</sub> (A) Typ.	DCR(m $\Omega$ ) Max/Typ.
YMC04191R3MC1	1.3 $\pm$ 20%	100kHz,1V	11.0	12.0	15/12

### Note:

- a. I<sub>rms</sub>: DC current (A) that will cause an approximate  $\Delta T$  of 40°C.
- b. I<sub>sat</sub>: DC current (A) that will cause L<sub>0</sub> to drop approximately 30%.
- c. The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions.
- d. Temperature rise is highly depending on many factors, including PCB land pattern, trace size, and proximity to other components. Therefore temperature rise should be verified in application conditions.