



# 零件承认书

SPECIFICATION FOR APPROVAL

客户名称: 立创

客户料号: \_\_\_\_\_

增益料号: FBMA-11-321611-601A30T

规格描述: FBMA-11-321611-601A30T

日期: 2023/10/30

版本: A

增益签核:

制订	审核	
夏琳		

客户签核:

工程	审核	核准



东莞市增益实业有限公司

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 传真: 0769-87891229

物料类型:	贴片磁珠
日期:	2023/10/30
版本:	A



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E

Ferrite Chip EMI Suppressors  
**FBMA-11-321611-601A30T**

COMPOSITE SPECIFICATION

SPEC# FBMA-11-321611-601A30T

1. SCOPE

This specification applies to the ACMS-3216 series Ferrite Chip EMI suppressors.

2. STANDARD ATMOSPHERIC CONDITIONS

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

Ambient temperature :  $20 \pm 15^\circ\text{C}$

Relative humidity : 30~70%

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

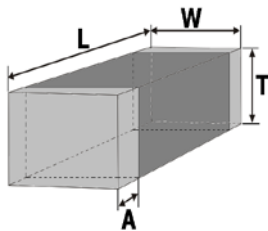
Ambient temperature :  $25 \pm 5^\circ\text{C}$

Relative humidity : 30~70%

3. RATINGS

PART NO	IMPEDANCE ( $\Omega$ ) AT 100 MHz 500mV	DC RESISTANCE ( $\Omega$ ) Max	RATED CURRENT (mA) Max
FBMA-11-321611-601A30T	$600 \pm 25\%$	0.06	3000

4. DIMENSION



OPERATING TEMP. RANGE :  $-55^\circ\text{C} \sim +125^\circ\text{C}$

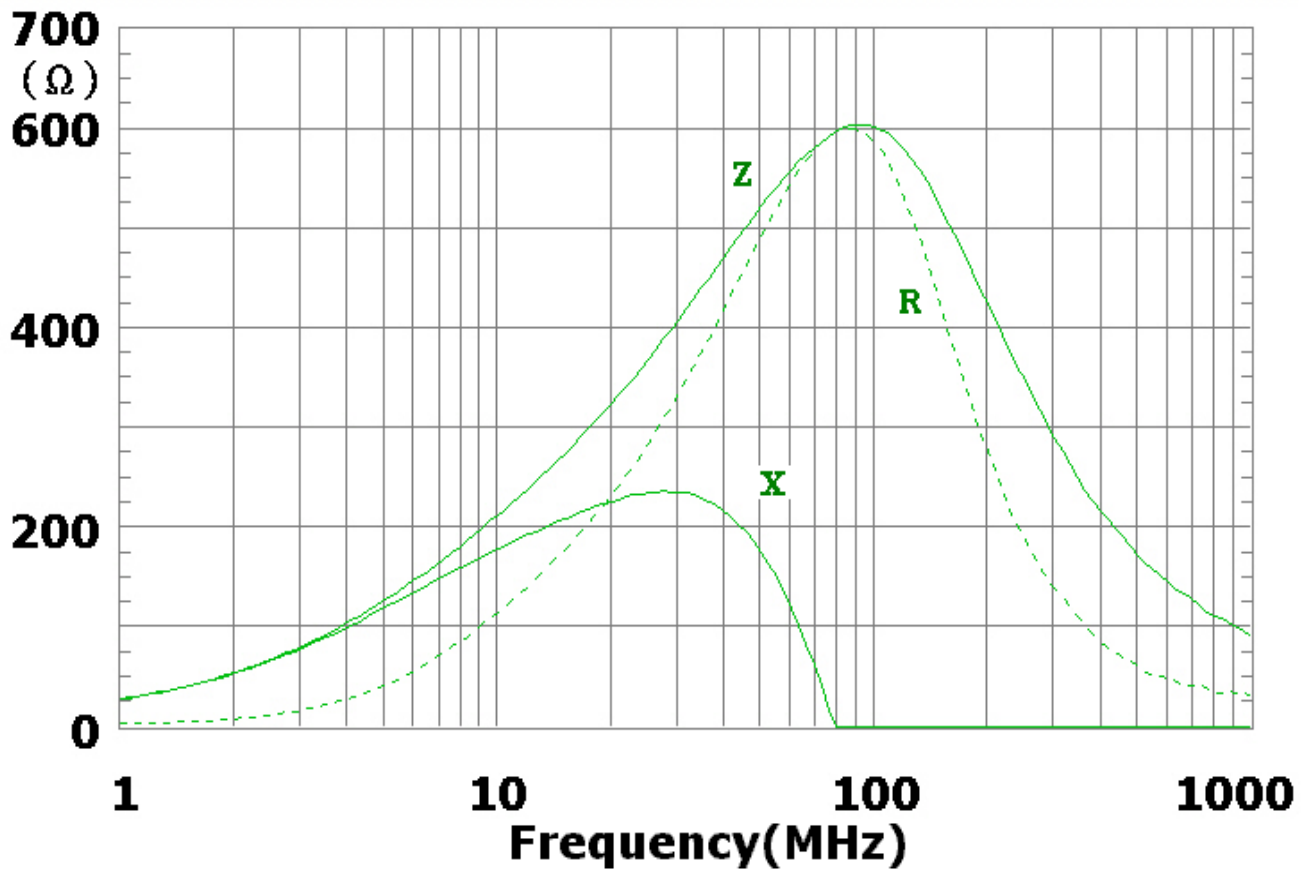
STORAGE TEMP. RANGE :  $-10^\circ\text{C} \sim +40^\circ\text{C}$

TYPE	L	W	T	A
3216	$3.2 \pm 0.2$	$1.6 \pm 0.2$	$1.1 \pm 0.2$	0.4~1.0

5. The place of origin :  
 Taichung, Taiwan

NAME	Ferrite Chip EMI Suppressors	COMPOSITE SPECIFICATION	
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NAME

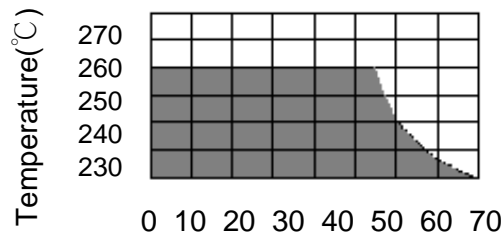
Ferrite Chip EMI Suppressors  
FBMA-11-321611-601A30T

COMPOSITE SPECIFICATION

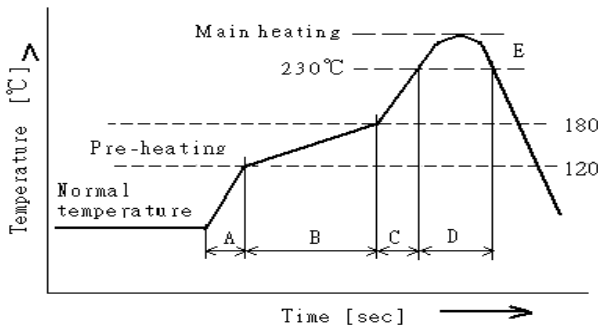
SPEC# FBMA-11-321611-601A30T

6) Reflow soldering conditions

- Pre – heating should be in such a way that the temperature difference between solder and ferrite surface is limited to 150°C max. Also cooling into solvent after soldering should be in such a way that the temperature difference is limited to 100°C max. Unenough pre – heating may cause cracks on the ferrite, resulting in the deterioration of product quality.
- Products should be soldered within the following allowable range indicated by the slanted line. The excessive soldering conditions may cause the corrosion of the electrode, When soldering is repeated, allowable time is the accumulated time.



Temperature Profile



(Melting area of solder)

※			
A	Slope of temp. rise	※ 1 to 5	※ °C/sec
B	Heat time	50 to 150	※ sec
	Heat temperature	120 to 180	※ °C
C	Slope of temp. rise	1 to 5	※ °C/sec
D	Time over 230°C	90~120	※ sec
E	Peak temperature	255~260	※ °C
	Peak hold time	10 max.	※ sec
※No. of mounting		3	※ times

6-1 Reworking with soldering iron

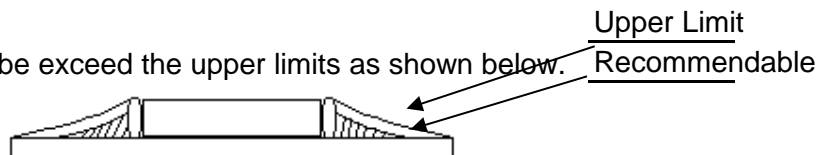
Preheating	150°C, 1 minute
Tip temperature	280°C max
Soldering time	3seconds max.
Soldering iron output	30w max.
End of soldering iron	§ 3mm max.

- Reworking should be limited to only one time.

Note : Do not directly touch the products with the tip of the soldering iron in order to prevent the crack on the ferrite material due to the thermal shock.

6-2 Solder Volume

Solder shall be used not to be exceed the upper limits as shown below.



Accordingly increasing the solder volume, the mechanical stress to product is also increased. Exceeding solder volume may cause the failure of mechanical or electrical performance.