

申請單號：



ACME Electronics Corporation
越峰電子材料股份有限公司

客戶

CUSTOMER

Platan

日期

DATE2022.5.16

認 可 書
SPECIFICATION FOR APPROVAL

客戶品名 CUSTOMER P/N		
越峰品名 ACME P/N	P41UU93	
認可書編號 SPEC. NO.		

為保證訂單順利完成，請在一個月內簽回。否則，將默認貴司同意依此份認可書內容製作您所有此規格的訂單產品。

In order to ensure the leadtime for your order, pls confirm and sign this spec for ACME within one month while you received it. Or else, it means that you have approved this spec, and you have agreed with that ferrite cores from your order be produced according to this spec.

客戶認可 APPROVED BY :

如有客戶品碼（料號），請填寫在下

客戶品碼（料號）：

CUSTOMER P/N

承認書製作廠別 Factory

■廣州廠：越峰電子(廣州)有限公司 / 中國廣東省廣州增城市增江街東區府前路1號
No.1 Fuqian East Road, Zengjiang Street East Square, Guangzhou-Zengcheng City, 511300,
Guangdong Province, China

Tel: +86-20-3285-1888: Fax: +86-20-3285-1666

■昆山廠：越峰電子(昆山)有限公司 / 中國江蘇省昆山市黃浦江北路533號

No.533 Huangpujiang North Rd., Kunshan City, 215337, Jiang-Su Province, China

Tel: +86-512-5793-2888: Fax: +86-512-5766-4667

批准	審核	擬制
APPROVED BY	CHECKED BY	PREPARED BY
陳建志	孟偉青	孫懂山

AR01-60106-02

樣單編號：



ACME Electronics Corporation
越峰電子材料股份有限公司

歷史變更記錄
REVISION RECORDS LIST

客戶CUSTOMER: Platan	P/N	P41UU93	
	SPEC./N		
I.更改記錄 REVISION RECORD:			
版本號 REV. NO.	更改內容及原因 CONTENTS AND REASONS	日期 DATE OF APPROVAL	擔當 DRAWN
1	新制 NEW RELEASE	2022.5.16	孫懂山

AR01-60106-02

申請單號：



ACME Electronics Corporation
越峰電子材料股份有限公司

規格書名稱/Specifications :P41UU93

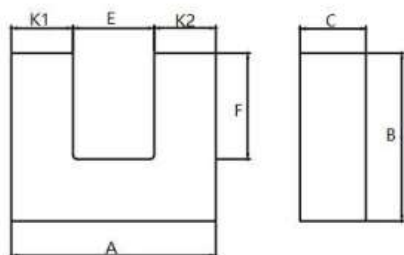
客戶料號/Customer P/N :

一、形狀、尺寸、材質/Shape, dimensions & material :

(1)形狀、尺寸：如下圖所示(單位：mm)Shape & dimensions :

(2)材質Material : P41

圖例/Drawing :



尺寸規格/Dimensions :

A :	<u>93±1.80</u>	Ae:	<u>840.00mm²</u>
B :	<u>76±0.50</u>	Le:	<u>354.00mm</u>
C :	<u>30±0.60</u>	Ve:	<u>297000.00mm³</u>
E :	<u>34.6min</u>	Wt:	<u>1500.00g/set</u>
F :	<u>48±0.90</u>		
K1 :	<u>28±0.50</u>		
K2 :	<u>28±0.50</u>		

二、電磁特性規格 Electrical Characteristics :

材質 Material	初導磁率 μ_i Initial Permeability
P41	2400±25%

測試條件 Test Condition

測試項目 Item	單位 Units	測試條件 Test Condition	測試溫度 Temperature	規格 Spec	測試儀器 Equipment	測試線包 Test coil
AL	nH/N ²	10kHz,50mV	25°C±3°C	5700+30%/ -20%	Caliper/HP4284A	0.25mm/10Ts(ACME)

AL value needs to be checked.

量測手法 (選擇項目為" ■ " ") Test method(" ■ " means Yes) :

包麥拉帶2圈Wrap 2 layers of tape客戶測試夾子Test with clip至少對磨三次以上測試Abrad matching surface each other 3 times before testing the inductance平面配GAP測試Test by nogap core and gapped core雙GAP測試Test by pair of gapped coresGAP產品放置於引線端測試Place the gapped core at the test side and close to the bobbin before testingGAP產品放置於非引線端測試Place the nogap core at the test side and close to the bobbin before testing

注意事項: Remarks

1.Pv< TBD W(B=100mT,f=25kHz,T=100°C)



ACME Products Appearance Specification

1. Chip, Stain:

(1) Grinded surface

Core size(A)	Max.area (mm ²)	Total.area (mm ²)
Below 10mm	0.6	1
10mm~20mm	1.5	3
20mm~30mm	2.0	4
30mm~50mm	3.0	6
Above 50mm	0.08*A	0.08*A*3

(2) Non grinded surface

Core size(A)	Max.area (mm ²)	Total.area (mm ²)
Below 10mm	1.0	3
10mm~20mm	2.0	6
20mm~30mm	2.5	7.5
30mm~50mm	3.5	10.5
Above 50mm	0.1*A	0.1*A*3

Description : ① The points whose chip and stain less than the maximum area shall be counted to calculate the total area.

② Those with a single area less than 0.5 mm² will not be counted.

2. Crack:

Referred to IEC—60424.

3. Crystal:

Core size(A)	Slip surface max. area (mm ²)	Total.area (mm ²)	Bottom surface max. Area (mm ²)	Total.area (mm ²)
Below 10mm	2.0	4	1.5	3
10mm~20mm	3.0	6	2.5	5
20mm~30mm	4.0	8	3.5	7
30mm~50mm	5.0	10	4.5	9
Above 50mm	0.25*A	0.25*A*2	0.2*A	0.2*A*2

Description : ① The points whose crystal less than the maximum area shall be counted to calculate the total area.

② Those with a single area less than 1.0 mm² will not be counted.

4. Sticking :

(1) Area : It is permitted up to 1/4 of surface area.

(2) Depth: ≤ 0.2mm.

5. Ragged edge:

(1) Height: It is not permitted exceed the respective surface.

(2) Length: It is permitted up to 1/4 of surface perimeter.

6. Scrape:

(1) Scrape Quantity in all orientation is not big than 6 PCS respectively.

(2) Depth: ≤ 0.1mm

Remark :

1.This Specification is based on IEC—60424.

2.The other details that not be mentioned in this document are referred to IEC—60424 too.

3.The sampling is according to MIL-STD-105E,Inspection level II is used and the AQL=1.0.



APPROVED BY:

	Symbol	Unit	Measuring Conditions			Low Loss Material
			Freq.	Flux den.	Temp.	P41
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	2400 \pm 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 4500
					100°C	> 4500
Power Loss	Pv	KW/m ³	25kHz	200mT	25°C	125
					100°C	50
			100kHz	200mT	25°C	650
					100°C	350
			300kHz	100mT	25°C	820
					100°C	500
500kHz	50mT	25°C	400			
Saturation Flux Density	Bms	mT	10kHz	H = 1200A/m	25°C	495
					100°C	395
Remanence	Brms	mT	10kHz	H = 1200A/m	25°C	170
					100°C	55
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	13
					100°C	6
Hysteresis Material Constant	η_B	10 ⁻⁶ /mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	D _F	10 ⁻⁶	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	T _c	°C				≥ 230
Resistivity	ρ	Ωm				4.00
Density	d	g/cm ³				4.85

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.

