

SPECIFICATION SHEET

SPECIFICATION SHEET NO.	P1116- HBW336M063HFKT
DATE	Nov.16, 2022
REVISION	A0
DESCRIPITION	Conductive Polymer Hybrid Aluminum Electrolytic Capacitors HBW series, Capacitance: 33µF, Tolerance ±20%, Voltage 63V, 2 pads Case size: ØD8.00*L10.2mm, Ripple Current 1100mA Max.@+125°C, 100KHz, Lifetime 4000Hours @125°C, Operating Temp. Range -55°C ~+125°C, Leakage Current :(at 20°C after 2 minutes): 20.8µA, ESR @125°C,100KHz: 40mohm Max. RoHS/RoHS III Compliant & Halogen Free, Package in Tape/Reel,
CUSTOMER	
CUSTOMER PART NUMBER	
CROSS REF. PART NUMBER	
ORIGINAL PART NUMBER	Aillen CXE336M1JHBWF10TR
PART CODE	HBW336M063HFKT

VENDOR APPROVE

Issued/Checked/Approved







DATE: Nov.16, 2022

CUSTOMER APPROVE					
DATE:					
DATE.					



CONDUCTIVE POLYMER HYBRID ALUMINUM ELEC. CAPACITORS HBW SERIES

MAIN FEATURE







- Conductive Polymer Hybrid Aluminum Electrolytic Capacitors
- High Stability And Reliability, Low ESR, High Ripple Current
- Long Life 4000 Hours @ 125°C
- Quality and standard Meets IEC 60384-4 and AEC-Q200-REV D
- Applicable To Automatic Mounting Machine
- Cross Competitors PARTS GYA, HZC, ZC And HXC Series And More.
- RoHS III Complaint And Halogen Free

APPLICATION

• For Applications Automotive and more

PART CODE GUIDE



HBW	336	М	063	н	F	К	Т
1	2	3	4	5	6	7	8

- 1) HBW: Conductive Polymer Hybrid Aluminum Electrolytic Capacitors HBW series, 2 Pads
- 2) **336**: Rated Capacitance Code, 105: 1.0μF; 225: 2.2μF; 335: 3.3μF; 475: 4.7μF; 106: 10μF; 226: 22μF; **336: 33μF**; 476: 47μF 107: 100μF; 227: 220μF; 337: 330μF; 477: 470μF
- 3) M: Capacitance tolerance code, M: ±20%; V: -10% ~ ±20%,
- 4) 063: Rated Voltage Code, 016:16V; 025: 25V; 035: 35V; 050: 50V; 063: 63V; 080: 80V
- 5) H: Environmental Requirements code, R: RoHS Complaint; H: RoHS III Complaint & Halogen Free
- 6) F: Aluminum Case size code, B: ØD3.0mm; C: ØD4.0mm; D: ØD5.0mm; E: ØD6.3mm; F: ØD8.0mm; G: ØD10.0mm; P: ØD12.5mm
- 7) K: Aluminum case Heigh code, H: L5.4mm; I: L6.5mm; J: L7.7mm; K: L10.2mm; L: L11.5mm; M: L12.5mm; N: L13.5mm
- 8) T: Package in Tape/Reel, 500pcs/Reel



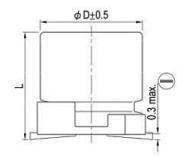
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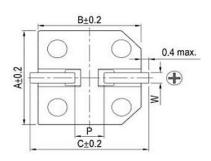
Image For Reference



HBW Series Case ØD8.0*L10.2mm Explosion Proof Value

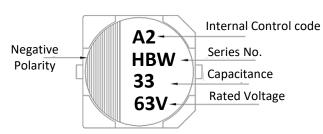




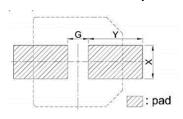


Symbol	Dimension (mm)
Α	8.3
В	8.3
D	Ø8.0
С	9.0
L	10.2 +/- 0.5
р	3.1 +/-0.20
w	0.70~1.1

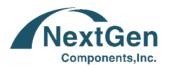
Marking



Recommended Pad Layout

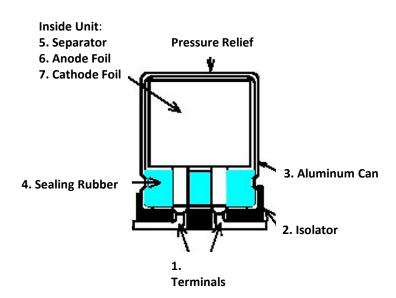


Symbol	Dimension
G	3.0
х	2.5
Υ	3.5



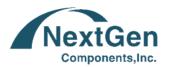
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CONSTRUCTION



No.	Parts	Material			
1	Terminal	High pure aluminum, lead is tin copper clad steel wire			
2	Isolator	Thermo-plastic resin			
3	Aluminum Can	High purity aluminum, coated aluminum can			
4	Sealing Rubber	Rubber			
5	Separator	Manila hemp			
6	Anode Foil	High pure aluminum formation foil			
7	Cathode Foil	High pure aluminum carbon foil			

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CHARACTERISTICS

Standard Atmospheric Conditions

The standard range of atmospheric conditions for making measurements/test as follows:

Ambient temperature: 15°C to 35°C

Relative humidity: 45% to 75%; Air Pressure: 86kPa to 106kPa

If there is any doubt about the results, measurement shall be made within the following conditions:

Ambient temperature: 20 $^{\circ}$ C \pm 2 $^{\circ}$ C

Relative humidity: 60% to 70% Air Pressure: 86kPa to 106kPa

As to the detailed information, please refer to following Table

Operating Temperature Range

The ambient temperature range at which the capacitor can be operated continuously at rated voltage (16^80V) is $-55^{\circ}C$ to $125^{\circ}C$.

As to the detailed information, please refer to table 1

SPECIFICATION

No.	Characteristics	Spec	Unit	Description				
1	Capacitance	33	μF	Product nominal capacity, test frequency: 120Hz,20°C within the specified capacity tolerance				n °C
2	Capacitance Tolerance	±20	%					
3	Working voltage	63	V	Rated working	ng voltage			
4	Dissipation Factor	8	%	Also calls dis	ssipation, tes	st frequency	: 120Hz	
5	Max ESR	40	mΩ	Equivalent se	eries resistar	nce, test freq	uency 100kHz	Z
6	Max rated ripple	1100	mA rms	Frequency f<1kHz <10kHz 100kHz 00kHz				exceed the
7	Leakage Current	20.8	μА	Leakage curr leakage curre			minutes, test t	the
8	Temperature range	-55~125	°C	1				
0	Temperature	At -25°C 100kI temperature)	Hz (Low	Z _{-25°C} /Z _{20°C} ≤1	.5			
7	9 Characteristics, Impedance Ratio At -55°C 100kHz (High temperature)		Hz (High	Z-55°C/Z20°C≤2	2.0			

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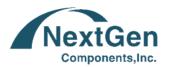
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Table 2

Table		T					
	Item	PERFORMANCE					
4.1	Nominal capacitance (Tolerance)	*Condition> Measuring Frequency : 120Hz±12Hz Measuring Voltage : Not more than 0.5V Measuring Temperature : 20±2°C *Criteria> Shall be within the specified capacitance tolerance.					
4.2	Leakage Current	Condition> After 2 minutes applications of rated working voltage at 20°C the rated working voltage shall be applied across the capacitor and its protective resistor which shall be 1000±100Ω. Charge Charge Charge Charge Charge Remark:Refer to item 5					
4.3	Tan δ	Condition					
4.4	ESR Ripple Current	ESR :Equivalent series resistance, test frequency 100kHz Ripple Current: The maximum allowable ripple current is 100kHz, the largest A.C current The DC voltage plus the peak AC voltage must not exceed the rated voltage,					



Step Testing Time(Min)												
Characteristics at High and Low Temperature Characteristics at High and Low Temperature (1) Step.2 Impedance Ratio (at 100kHz)			<conditio< td=""><td>n></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></conditio<>	n>								
Characteristics at High and Low Temperature				Step	Т			Time	(Min)			
Characteristics at High and Low Temperature				1		20±2						
Characteristics at High and Low Temperature				2		-25(-55)	±3	30				
Characteristics at High and Low Temperature				3		20±2						
Characteristics at High and Low Temperature				\rightarrow								
Characteristics at High and Low Temperature				5		20±2		10~15				
High and Low Temperature			<criteria></criteria>	>								
WV(VDC)	4.5	High and Low	(1) Step.2	Impedan	ce Rat	io (at 100	kHz)					
(2) Step 4. Leakage current	4.5	Temperature	WV(\	/DC)		16	25	35	50	63	80	
(2) Step 4. Leakage current Not more than 800% of the specified value Capacitance Change Within ±10% of Step1 value. tan \(\delta \) Not more than the specified value. Appearance There shall be no leakage of electrolyte. Capacitor is placed in the PCB by solder paste and do high temperature test (Reflow)2 twice to endurance the power of 1.8kg for 60S, no dropping condition. Criteria> Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. Appearance There shall be no leakage of electrolyte. Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria> Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. tan \(\delta \) Not more than the specified value. Capacitance Change Within ±10% of initial value. tan \(\delta \) Not more than the specified value. ESR Not more than the specified value.			Z(-25	°C/Z(20	℃)		_			_		
Leakage current Capacitance Change Within ±10% of Step1 value. tan \(\delta \) Not more than 800% of the specified value. Appearance There shall be no leakage of electrolyte. **Condition** Capacitor is placed in the PCB by solder paste and do high temperature test (Reflow)2 twice to endurance the power of 1.8kg for 60S, no dropping condition. **Criteria** Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. Appearance There shall be no leakage of electrolyte. **Condition** Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). **Criteria** **Condition** Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). **Criteria** Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. tan \(\delta \) Not more than the specified value. ESR Not more than the specified value.			Z(-55	°C/Z(20	℃)	2.0	2.0	2.0	2.0	2.0	2.0	
Capacitance Change Within ±10% of Step1 value. tan δ Not more than the specified value. Appearance There shall be no leakage of electrolyte.			(2) Step	4.								
tan δ Not more than the specified value. Appearance There shall be no leakage of electrolyte. **Condition** Capacitor is placed in the PCB by solder paste and do high temperature test (Reflow)2 twice to endurance the power of 1.8kg for 60S, no dropping condition. **Criteria** Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. In the shall be no leakage of electrolyte. **Condition** Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). **Criteria** Mechanical Shock Mechanical Shock Not more than the specified value. Capacitance Change Within ±10% of initial value. Capacitance Change Within ±10% of initial value. Not more than the specified value. ESR Not more than the specified value.				Leakage	curre	nt	Notr	Not more than 800% of the specified value				
Appearance There shall be no leakage of electrolyte. Condition> Capacitor is placed in the PCB by solder paste and do high temperature test (Reflow)2 twice to endurance the power of 1.8kg for 60S, no dropping condition. Criteria> Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. Appearance There shall be no leakage of electrolyte. Condition> Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria> Mechanical Shock Mechanical Shock Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. ESR Not more than the specified value.				Capacitance Change			With	Within ±10% of Step1 value.				
Condition Capacitor is placed in the PCB by solder paste and do high temperature test (Reflow)2 twice to endurance the power of 1.8kg for 60S, no dropping condition. Criteria				tanδ	tanδ			Not more than the specified value.				
Condition Capacitor is placed in the PCB by solder paste and do high temperature test (Reflow)2 twice to endurance the power of 1.8kg for 60S, no dropping condition. Criteria				Appeara	ince		There	There shall be no leakage of electrolyte.				
Leakage current Not more than the specified value.			Capa	citor is p								
Strength Capacitance Change Within ±10% of initial value. Appearance There shall be no leakage of electrolyte. Condition> Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria> Mechanical Shock Mechanical Shock Mechanical Shock Not more than the specified value. Capacitance Change Within ±10% of initial value. ESR Not more than the specified value.			<criteria< td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td></criteria<>	>								_
Capacitance Change Within ±10% of initial value. tan δ Not more than the specified value. Appearance There shall be no leakage of electrolyte. Condition Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. tan δ Not more than the specified value. ESR Not more than the specified value.	46			Leakage	curre	nt	Not r	nore than	the specif	ied value.		
Appearance There shall be no leakage of electrolyte. *Condition> Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). *Criteria> Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. ESR Not more than the specified value.	4.0	Strength		Capacita	ance C	hange	With	Within ±10% of initial value.				
Condition> Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria> Leakage current				tanδ			Notr	nore than	the specif	ied value.		
Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria> Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. ESR Not more than the specified value.				Appearance			There	There shall be no leakage of electrolyte.				
Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria> Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. ESR Not more than the specified value.			'									
Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms) according to the test condition ,shock 6 times from three directions (X-Y-Z). Criteria> Leakage current Not more than the specified value. Capacitance Change Within ±10% of initial value. ESR Not more than the specified value.	$\vdash \vdash \vdash$		<condition< td=""><td>n></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></condition<>	n>								
Mechanical Shock Leakage current Not more than the specified value.			Capacitor is placed in the PCB and fixed .Setting the acceleration (100g)and time(6ms according to the test condition ,shock 6 times from three directions (X-Y-Z).					6ms)				
4.7 Shock Capacitance Change Within ±10% of initial value. tan δ Not more than the specified value. ESR Not more than the specified value.		Mechanical	< Criteria			nt	Note	noro the	the enecif	iad value		
tan δ Not more than the specified value. ESR Not more than the specified value.	4.7	Shock					_					
ESR Not more than the specified value.					ince C	nange	_					
Appearance There shall be no leakage of electrolyte.				ESR			Notr	nore than	the specif	ied value.		
				Appeara	ince		There	e shall be	no leakage	of electrol	yte.	

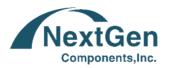


4.8	Load Life test	4000 +72/-0hrs at 125°C. 2. Then the capacitor shall b hours, after which measu	In oven with application of rated ripple current for subjected to standard atmospheric conditions for 4 rements shall be made. In the following requirements. Not more than the specified value. Within ±30% of initial value. Not more than 200% of the specified value. within ±200% of the initial value There shall be no leakage of electrolyte.			
4.9	Shelf Life test					
4.10	Resistance To Solvents	Step 1:Put the capacitor into IPA(25±5°C); Step 2:the dipping time is 3+0.5/-0 minutes; Step 3:Brush the capacitor for 10 times; Conduct the steps 1~3 for 3 cycles. *Criteria> The print cannot fall off or be obscure				



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		a	e capacitor shall be 1KΩ each consistir eriod of approximat	ng of a c	harg	e period of					
	Surge Voltage		Leakage current			Not more t	han the s	pecified	value.		
4.11	test		Capacitance Cha	nge		Within ±20	% of in	itial value	ð.		
			tanδ			Not more t		-			
			ESR			within ±20	0%of the	initial va	lue		
		ا ا	Surge voltage: WV (V.DC)	16	25	35	50	63	80	1	
			SV (V.DC)	18.4	28.		57.5	72.5	92	1	
							l				
	Condition> Capacitor is placed in the PCB and fixed by glue .Setting the acceleration (5) and frequency (10- 2000Hz) according to the test condition ,vibration 4Hrs f three directions (X-Y-Z).										
		<criteria></criteria>									
	Vibration		Capacitance Change			Within ±10% of initial value.					
4.12	test		Leakage current			ot more tha					
1.12			tan δ			Not more than the specified value. Not more than the specified value.					
			ESR							circuiting. No	
			Inner construction				damage of tab terminals or electrodes.				
			Appearance	ele					leakage of markings shall		
		Condition> Capacitors shall be exposed for 2000 +48/-0 hrs in an atmosphere of 85%±5% R.H. at 85±3°C. And then the capacitor shall be subjected to standard atmospheric conditions for 4 hours, after which measurements shall be made.									
	Un-biased	<criteria< td=""><td>-</td><td></td><td></td><td colspan="3"></td><td></td></criteria<>	-								
4.13	Humidity	_	akage current			nore than th	-		i		
	_	Ca	pacitance Change		With	in ±30% of	initial v	alue.			
		tar	1δ	1	Not n	nore than 2	00% of t	he specifi	ed value	e	
		ES	SR	1	Not n	nore than 2	00% of t	he specifi	ed value	e.	
		A	opearance		There	shall be no	leakage	e of electr	olyte.		



		<condition></condition>	non i i i i i i i i i i i i i i i i i i					
		Capacitor is placed in the PCB and pressed to deviate from Original fulcrum less						
		than 2mm for 60 (+5) s.						
		Pr	ressure rod					
			R230					
			Board					
			+					
		R5 /	1					
	Board Flex	45±2	45±2					
4.14	Test							
		<criteria></criteria>	Not many than the many Continue					
		Leakage current	Not more than the specified value.					
		Capacitance Change	Within ±10% of initial value.					
		tan δ	Not more than the specified value.					
		ESR	Not more than the specified value.					
		Appearance	There shall be no leakage of electrolyte.					
		85%±5% R.H. at 85±3°C	working voltage for 2000 +48/-0 hrs in an atmosphere of C. And then the capacitor shall be subjected to standard for 4 hours, after which measurements shall be made.					
	Biased	<criteria></criteria>						
4.15	Humidity	Leakage current	Not more than the specified value.					
	test	Capacitance Change	Within ±30% of initial value.					
		tan δ	Not more than 200% of the specified value.					
		ESR	Not more than 200% of the specified value.					
		Appearance						
		Appearance	There shall be no leakage of electrolyte.					
		<condition></condition>						
			lity about electrical characterization in the test that under					
	Electrical	the ensurance temperature(the lowest ,the highest, atmospheric temperature).						
4.16	Electrical Characterization	<criteria></criteria>						
		Appearance: No abnormal	lity					
		Appearance, No aonormai						
	L	I						

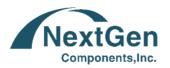


4.17	Rotational Temperature test	Step1: Max. rated temp Step2: Min. rated temp Max.transfer time: Imi According to the step1 Criteria> Leakage current Capacitance Change tan δ ESR	Not more than the specifi Within ±20% of initial v. Not more than 200% of the	alue. se specified v	value.	
		Appearance	There shall be no leakage	of electrolyt	te.	
	Resistance to Soldering Heat test	Condition> IR Reflow: T4 T3 (2) Per T2 T2 T1 T1	t1 12	Time(sec)		
		Preheat	Temperature(T ₁ ~T ₂ °C)	150-	150~180	
		Treneur	Time(t ₁) Max. s		120 200 217 230	
		Duration	Temperature(T ₃ °C) Time(t ₂) Max. s		17 230	
4.18		Highest	Temperature(T ₄ °C)	250	260	
		temperatures	Time(t ₃) Max. s		5	
		The number of reflow 2 1				
		 Please contact our representative if your condition is higher. Please ensure that the capacitor became cold enough to the room temperature (5°C~35°C) before the second reflow. Consult with us when performing reflow profile in IPC / JEDEC (J-STD-020) 				
		<criteria></criteria>				
			neet the following requirement			
		Leakage current		Not more than the specified value.		
		Capacitance Change		Within ±10% of initial value.		
1		tan δ		Not more than the specified value.		
1		Annogrange	Not more than the s			
1	I	Appearance There shall be no leakage of electrolyte.				



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4.19	Venting Test	Condition> 1. Applicable to the capacitors with case size is 10φ mm and larger. 2. Test condition: DC test: Applying inverse DC rated voltage with current to the capacitor. Where case diameter: φD ≤ 22.4mm: 1 A DC max φD > 22.4mm: 10 A DC max Criteria> (1) When the pressure relief vent operated, the capacitor shall avoid any danger of fire or explosion of capacitor element(terminal and metal foil etc.) or cover. (2) When the pressure relief device does not open with the voltage applied over 30 minutes, the test is considered to be passed.	
4.20	Solderability Test	*Condition> Solderability test 1: Pre-conditioning: execution according to RDD0302 (SolderabilityTest Method), item 4.4.2-1 (chart 3) Solder bath temperature: 235±5°C Duration:5+0/-0.5s Solderability test 2: Pre-conditioning: execution according to RDD0302 (Solderability Test Methode), item 4.4.2-1 (chart 3) Solder bath temperature: 215±3°C Duration: 5+0/-0.5s Solderability test 3: Pre-conditioning: execution according to RDD0302 (Solderability Test Methode), item 4.4.2-1 (chart 3) Solderability test 3: Pre-conditioning: execution according to RDD0302 (Solderability Test Methode), item 4.4.2-1 (chart 3) Solder bath temperature:260±5°C Duration:7±0.5s *Criteria> Coating quality A minimum of 95% of the surface being immersed	
4.21	Coating Case	The color of coating case will turn light khaki from colorless with long duration in high temperature. Should there is any concern with the color changing of coating case, please consult with us	



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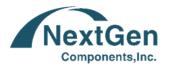
CASE SIZE & MAX RIPPLE CURRENT

Rated Voltage V	Capacitance (+/-20%) μF	Case Size ØD*L mm	Dissipation Factor @+20°C, 120Hz Tanδ Max.	Ripple Current @+125°C, 100KHz mA rms.	ESR (mΩ,20°C, 100kHz)	Leakage Current (μΑ/2min) μΑ Max.
63	33	8.0*10.2	0.08	1100	40	20.8

Remark:

- 1) Specification are subject to change without notice should a safety or technical concern arise regarding the product please be sure to contact our sales offices;
- 2)The sizes in the above table are all general specifications. If you need other specifications, please contact us.
- 3) Frequency Coefficient of Allowable Ripple Current:

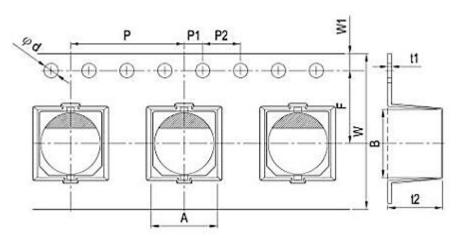
Frequency	120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f<500kHz
Coefficient	0.10	0.30	0.70	1.00



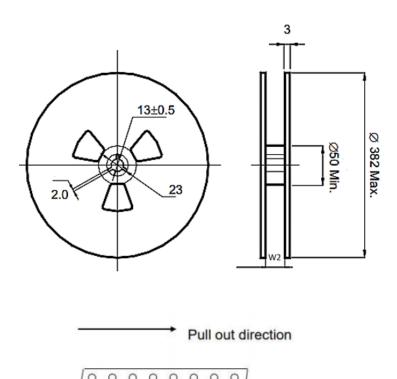
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TAPE (Unit: mm), 500pcs/Reel,

Applicable standard JIS C0806 and IEC 60286.



REEL (Unit: mm)



Case size: ØD8.0*L10.2mm			
Symbol	Dimension (mm)		
W	24.0		
Р	16.0		
F	11.5		
А	8.7		
В	8.7		
T 2	11.0		
Ød	1.5		
P 1	2.0		
P 2	4.0		
t 1	0.4		
W 1	1.75		
W 2	26.0 +/-0.3		



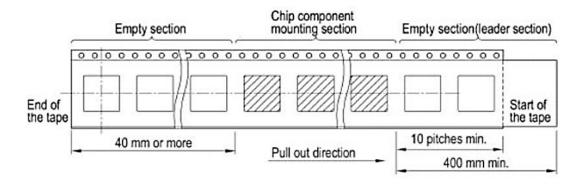
CONDUCTIVE POLYMER HYBRID ALUMINUM ELEC. CAPACITORS HBW SERIES

PACKING METHOD

Polarity: Anode on the opposite side of the feed hole

The leader length of the tape shall not be less than 400mm including 10 or more embossed sections in which no parts are contained.

The winding core is provided with an over 40mm long empty section



AEC-Q200 COMPLIANCE

Automotive Electronics Counsel (AEC) has established various electronic component qualification/reliability standards in order to serve automotive electronics industry. AEC-Q200 standard is dedicated for passive components like capacitors, inductors, etc. and is widely adopted domestically as well as internationally. NextGen/Aillen offers compliant product designs and support services to satisfy customers' product requirements, including the AEC-Q200 required criteria of the reliability tests. NextGen/Aillen 's capacitors are professionally designed to outperform all requirements of AEC-Q200.

DISCLAIMER

NextGen Component, Inc. reserves the right to make changes to the product(s) and or information contained herein without notice. No liability is assumed as a result of their use or application. No rights under any patent accompany the sale of any such product(s) or information

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