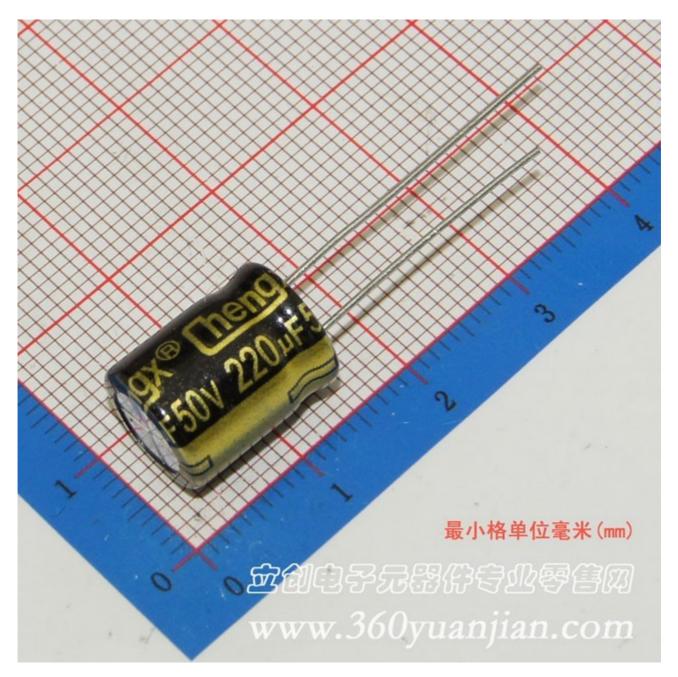


此商品编号对应的规格参数是: 220uf 50v 黑高频/10\*13 直插

此商品的实物图片为:





+105°C, High Ripple Current(高纹波), Low Impedance(低阻抗品)

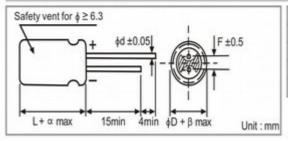
#### **FEATURES**

- 1. Low impedance for high frequency.
- 2. Life time: 2000~4000 hours at 105° C.



ltem	Performance Characteristics												
Operating Temperature Range	-40 to +10	-40 to +105°C											
Rated Working Voltage Range	6.3 to 100V												
Nominal Capacitance Range	2.2 to 4700µF												
Capacitance Tolerance	±20% (120Hz, +20°C)												
Leakage Current	I ≤ 0.01CV or 3(μA) whichever is greater measured after 2 minutes application of rated working voltage at 20°C												
tan δ (120Hz, +20°C)	Working Voltage (V)		6.	3	10	16	25	35	50	63	100		
	tan δ (max.)		0.2	22	0.19	0.16	0.14	0.12	0.10	0.09	0.08		
	For capacitance value > 1000 µF, add 0.02 per another 1000 µF												
Low Temperature Characteristics	Impedance ratio max. at 120Hz												
	Working Voltage (V)		6.	6.3		16	25	35	50	63	100		
	Z-25°C / Z+20°C		4	4		2	2	2	2	2	2		
	Z-40°C / Z+20°C		8	8		4	3	3	3	3	3		
High Temperature Loading	Test conditions Post test requirements at +20°C												
	Duration :	φD	5~6.3	8~10	12.5	Leak	age currer	ent : ≤Initial specified value					
		2000h	3000h	4000h	Сар	. change	: within ±25% of initial measured value			lue			
	Ambient te	105°C			tan δ :≤150% of initial specified value			ified value					
	Applied voltage : Rated DC working voltage with rated ripple current												
Shelf Life	Test conditions					Post test requirements at +20°C							
	Duration : 1000 hours						Same limits for high temperature loading.						
	Ambient te	mp. :+	105 °C										
	Applied voltage : (None)												

#### **CASE SIZE TABLE**



φD	5	6.3	8(L<20)	8(L≥20)	10	12.5	5	
F	2.0	2.5	3	1.5	5.0	5.0		
фd		0.5		0.6	0	0.6		
α		(l	_≥ 20	2.0				
β	(D < 20) 0.5				([	) ≥ 20	1.0	



# +105°C, High Ripple Current(高紋波), Low Impedance(低阻抗品)

# STANDARD RATINGS

Voltage (	Code)		6.3V (0J)			10V (1A)		16V (1C)			
Cap.(µF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Curren	
100	107							6.3x11	0.220	340	
120	127							6.3x11	0.220	340	
450	457				6.3x11	0.220	340	6.3x11	0.220	340	
150 157	15/							8x12	0.130	640	
100	407		0.220	340	6.3x11	0.220	340	6.3x11	0.220	340	
180	187	6.3x11	0.220					8x12	0.130	640	
220	227	0.2-11	0.000	240		0.000	240	6.3x11	0.220	340	
220	227	6.3x11	0.220	340	6.3x11	0.220	340	8x12	0.130	640	
270	277	6.2-11	0.220	240	6.3x11	0.220	340	8x12	0.420	640	
270	277	6.3x11	0.220	340	8x12	0.130	640		0.130	640	
330	337	6.3x11	0.220	340	6.3x11	0.220	340	8x12	0.130	640	
330	331	8x12	0.130	640	8x12	0.130	640			040	
390	397	8x12	0.130	640	8x12	0.130	640	8x12	0.130	640	
470 477	0.40	0.420	640	0,42	0.120	640	8x12	0.130	640		
470	477	8x12	0.130	040	8x12	0.130	040	10x12.5	0.080	865	
560	567	8x12	0.130	640	8x12	0.130	640	10x12.5	0.080	865	
680 687	607	8x12	0.420	640	8x12	0.130	640	8x16	0.087	640	
	001	0.00	0.130			0.130	040	10x12.5	0.080	865	
920 927	8x12	0.130	640	10x12.5	0.000	905	10.10	0.060	4040		
020	820 827	10x12.5	0.080	865	10X12.5	0.080	865	10x16	16 0.000	1210	
1000	108	8x12	0.130	640	8x16	0.087	640	10x16	0.060	1210	
1000	100	10x12.5	0.080	865	10x16	0.060	1210	10.010		1210	
1200	128	8x16	0.087	840	10x20	0.046	1400	10x20	0.046	1400	
1200	120	10x12.5	0.080	865	10,20	0.040		10.20		1400	
1500	158	8x20	0.069	1050	10x20	0.046	1400	10x20	0.046	1400	
1500	100	10x16	0.060	1210	10,20	0.040				1400	
1800	188	10x20	10-20 0.040	1400	10x20	0.046	1400	10x25	0.042	1650	
1000	100	10,20	0.046	1400	10.20	0.040	1400	12.5x20	0.035	1900	
2200	228	10x20	0.046	1400	10x20	0.046	1400	12.5x20	0.035	1900	
	070	10x25	0.042	1650	10x25	0.042	1650	12.5x25	0.030	2124	
2700	278	12.5x20	0.035	1900	12.5x20	0.035	1900				
2200	220	10x25	0.042	1650	40.5.05	0.000	0404				
3300	338	12.5x20	0.035	1900	12.5x25	0.030	2124				
3900	398	12.5x20	0.035	1900							
4700	478	12.5x25	0.030	2124				-			



### +105°C, High Ripple Current(高紋波), Low Impedance(低阻抗品)

#### STANDARD RATINGS Voltage (Code) 35V (1V) 50V (1H) 25V (1E) Ripple Current Cap.(µF) Case Size Impedance Case Size Ripple Current Case Size Impedance Ripple Current Code Impedance 6.3x11 0.300 295 33 336 0.300 396 6.3x11 295 476 6.3x11 0.220 340 6.3x11 0.300 47 56 566 6.3x11 0.220 340 8x12 0.170 555 0.220 340 0.170 555 68 686 6.3x11 8x12 82 826 6.3x11 0.220 340 8x12 0.130 640 8x12 0.170 555 0.120 100 107 6.3x11 0.220 340 8x12 0.130 640 10x12.5 760 8x16 0.120 730 8x12 0.130 640 120 127 8x12 0.130 640 0.120 10x12.5 760 8x12 0.130 640 640 10x16 0.084 1050 150 157 8x12 0.130 0.091 910 8x20 180 8x12 0.130 640 10x12.5 0.080 187 865 10x16 0.084 1050 8x12 0.130 640 220 227 8x12 0.130 640 10x16 0.084 1050 840 8x16 0.087 10x12.5 0.080 865 0.130 640 8x12 270 277 10x16 0.060 1210 10x25 0.055 1440 10x12.5 0.080 865 0.069 1050 8x20 8x12 0.130 640 12.5x20 0.045 1660 330 337 0.080 10x12.5 865 10x12.5 0.080 865 10x16 0.060 1210 10x12.5 0.080 0.045 1660 390 397 865 10x16 0.060 1210 12.5x20 8x16 0.087 840 0.060 1210 12.5x25 0.034 1950 470 477 10x16 10x12.5 0.080 865 560 10x16 1210 10x20 0.046 1400 12.5x25 0.034 1950 567 0.060 680 687 0.060 1400 1210 10x20 0.046 10x16 10x25 0.042 1650 820 827 10x20 0.046 1400 12.5x20 0.035 1900 12.5x20 0.035 1900 1000 108 10x20 0.046 1400 2124 12.5x25 0.030 1400 1200 128 10x20 0.046 10x25 0.042 1650 158 1500 12.5x20 0.035 1900 12.5x25 0.030 2124 1800 188 12.5x25 0.030 2124 2200 228



# +105°C, High Ripple Current(高紋波), Low Impedance(低阻抗品)

#### STANDARD RATINGS

Voltage	(Code)		63V (1J)			100V(2A)			
Cap.(µF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current		
15	156				6.3x11	0.960	115		
22	226	6.3x11	0.960	115					
27	276	6.3x11	0.960	115	8x12	0.504	232		
33	336	6.3x11	0.960	115					
39	396	8x12	0.504	232	8x16	0.360	300		
47	476	8x12	0.504	232	10x12.5	0.344	314		
56	566	8x12	0.504	232	8x20	0.264	362		
68	686	8x12	0.504	232	10x16	0.248	357		
82	826	10x12.5	0.344	314	10x20	0.168	466		
100 107	107	8x16	0.360	300	10x20	0.168	466		
	107	10x12.5	0.344	314					
120	127	10x16	0.248	357	12.5x20	0.128	690		
150	157	8x20	0.264	362					
180	187	10x20	0.168	466	12.5x25	0.096	922		
220	227	10x20	0.168	466	12.5x25	0.096	922		
270	277	12.5x20	0.128	690					
330	337	12.5x20	0.128	690					
390	397	12.5x25	0.096	922			57		

Maximum Allowable Ripple Current (mA rms) at 105 °C 100kHz

Case Size ¢D x L(mm)

Maximum Impedance(Ω) at 20 °C 100kHz

#### RIPPLE CURRENT MULTIPLIER

Frequency Coefficient										
Cap(μF) Coefficient Freq.(Hz)	120	1k	10k	100k						
~180	0.40	0.75	0.90	1.00						
220~560	0.50	0.85	0.94	1.00						
680 ~ 1800	0.60	0.87	0.95	1.00						
2200 ~ 3900	0.75	0.90	0.95	1.00						
4700	0.85	0.95	0.98	1.00						

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