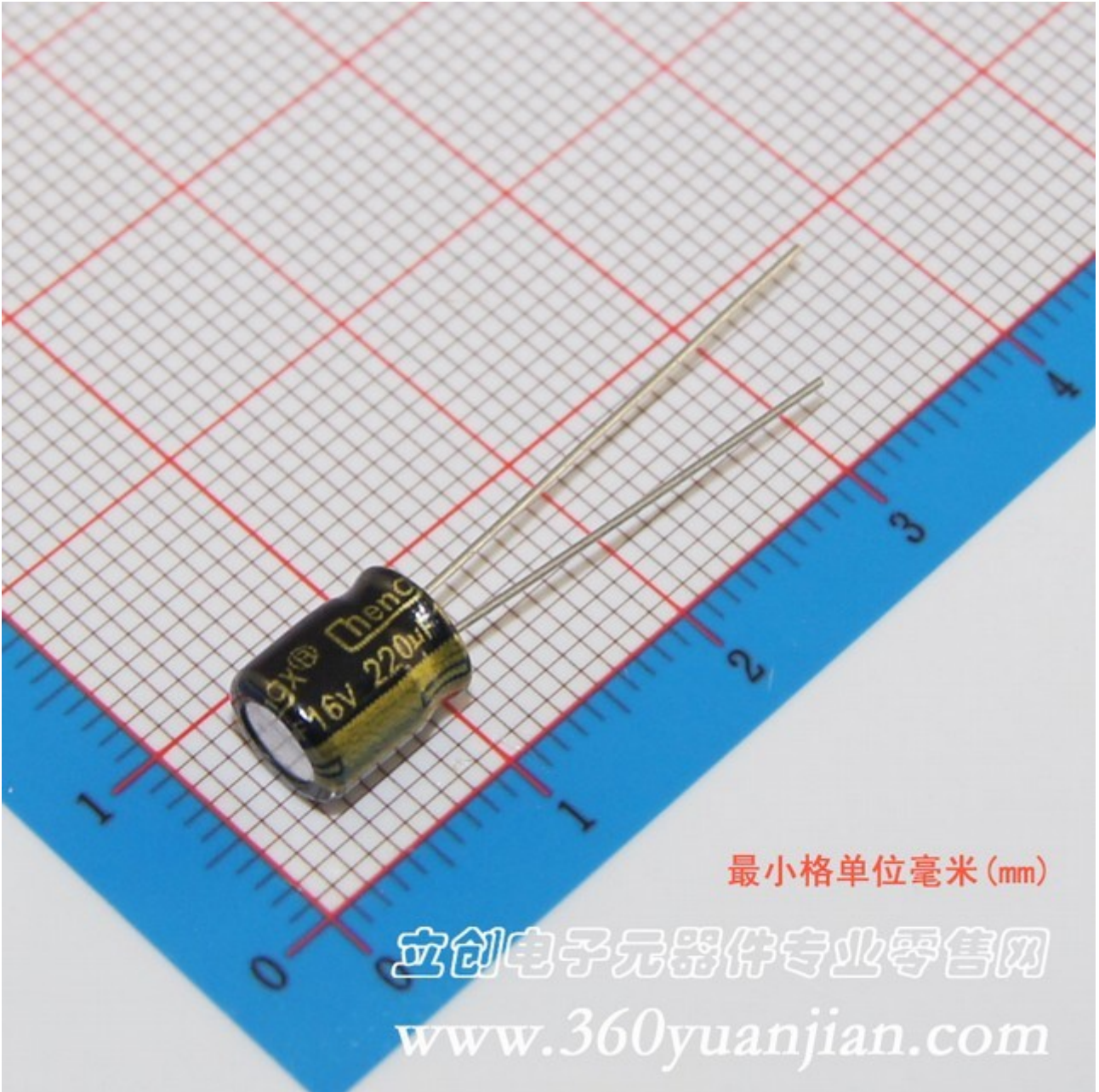


此商品编号对应的规格参数是: 220uF 16V 黑高频/6\*7

此商品的实物图片为:



## ZF Series

7mmL(高), +105°C, Low Impedance(低阻抗品)

### FEATURES

1. Low Impedance, with 7mm height, wide operating temperature range.



### SPECIFICATIONS

Item	Performance Characteristics									
Operating Temperature Range	-40 to +105°C									
Rated Working Voltage Range	6.3 to 35V									
Nominal Capacitance Range	6.8 to 220 $\mu$ F									
Capacitance Tolerance	$\pm 20\%$ (120Hz, +20°C)									
Leakage Current	$I \leq 0.01CV$ or 3( $\mu$ A) whichever is greater measured after 2 minutes application of rated working voltage at +20°C									
tan $\delta$ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16	25	35				
	tan $\delta$ (max.)	0.18	0.16	0.14	0.12	0.12				
Low Temperature Characteristics	Impedance ratio max. at 120Hz									
	Working Voltage (V)	6.3	10	16	25	35				
	Z-25°C / Z+20°C	2	2	2	2	2				
	Z-40°C / Z+20°C	3	3	3	3	3				
High Temperature Loading	Test conditions			Post test requirements at +20°C						
	Duration	: 1000 hours			Leakage current : $\leq$ Initial specified value					
	Ambient temp.	: +105°C			Cap. change : within $\pm 20\%$ of initial measured value					
	Applied voltage	: Rated DC working voltage with rated ripple current			tan $\delta$ : $\leq 200\%$ of initial specified value					
Shelf Life	Test conditions			Post test requirements at +20°C						
	Duration	: 1000 hours			Leakage current : $\leq$ Initial specified value					
	Ambient temp.	: +105°C			Cap. change : within $\pm 20\%$ of initial measured value					
	Applied voltage	: (None)			tan $\delta$ : $\leq 200\%$ of initial specified value					
Others	JIS C - 5101 (IEC 60384)									

### CASE SIZE TABLE

	$\phi D$	4	5	6.3	8				
	F	1.5	2.0	2.5	3.5				
	$\phi d$	0.45		0.45					
	$\alpha$	(L $\leq$ 7) 1			(L $\geq$ 9) 1.5				
	Unit : mm								

### RIPPLE CURRENT MULTIPLIER

Frequency Coefficient					
Cap( $\mu$ F)	Coefficient-Freq.(Hz)	120	1k	10k	100k
~ 180		0.40	0.75	0.90	1.00
220		0.50	0.85	0.94	1.00

## ZF Series

7mmL(高), +105°C, Low Impedance(低阻抗品)

### STANDARD RATINGS

Voltage (Code)		6.3V (0J)			10V (1A)			16V (1C)		
Cap.( $\mu$ F)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
6.8	685									
10	106									
15	156							4 x 7	3.3	70
22	226				4 x 7	3.3	70	5 x 7	1.7	110
33	336	5 x 7	1.7	110	5 x 7	1.7	110	6.3 x 7	0.8	160
47	476	5 x 7	1.7	110	6.3 x 7	0.8	160	6.3 x 7	0.8	160
68	686	6.3 x 7	0.8	160	6.3 x 7	0.8	160	8 x 7	0.5	200
100	107	6.3 x 7	0.8	160	8 x 7	0.5	200	8 x 7	0.5	200
150	157	8 x 7	0.5	200	8 x 7	0.5	200			
220	227	8 x 7	0.5	200						

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

Case Size  $\phi$ D x L(mm)

Maximum Impedance ( $\Omega$ ) at 20°C 100kHz

Voltage (Code)		25V (1E)			35V (1V)					
Cap.( $\mu$ F)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current			
6.8	685				4 x 7	3.3	70			
10	106	4 x 7	3.3	70	5 x 7	1.7	110			
15	156	5 x 7	1.7	110	6.3 x 7	0.8	160			
22	226	5 x 7	1.7	110	6.3 x 7	0.8	160			
33	336	6.3 x 7	0.8	160	8 x 7	0.5	200			
47	476	8 x 7	0.5	200						
68	686	8 x 7	0.5	200						

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

Case Size  $\phi$ D x L(mm)

Maximum Impedance ( $\Omega$ ) at 20°C 100kHz