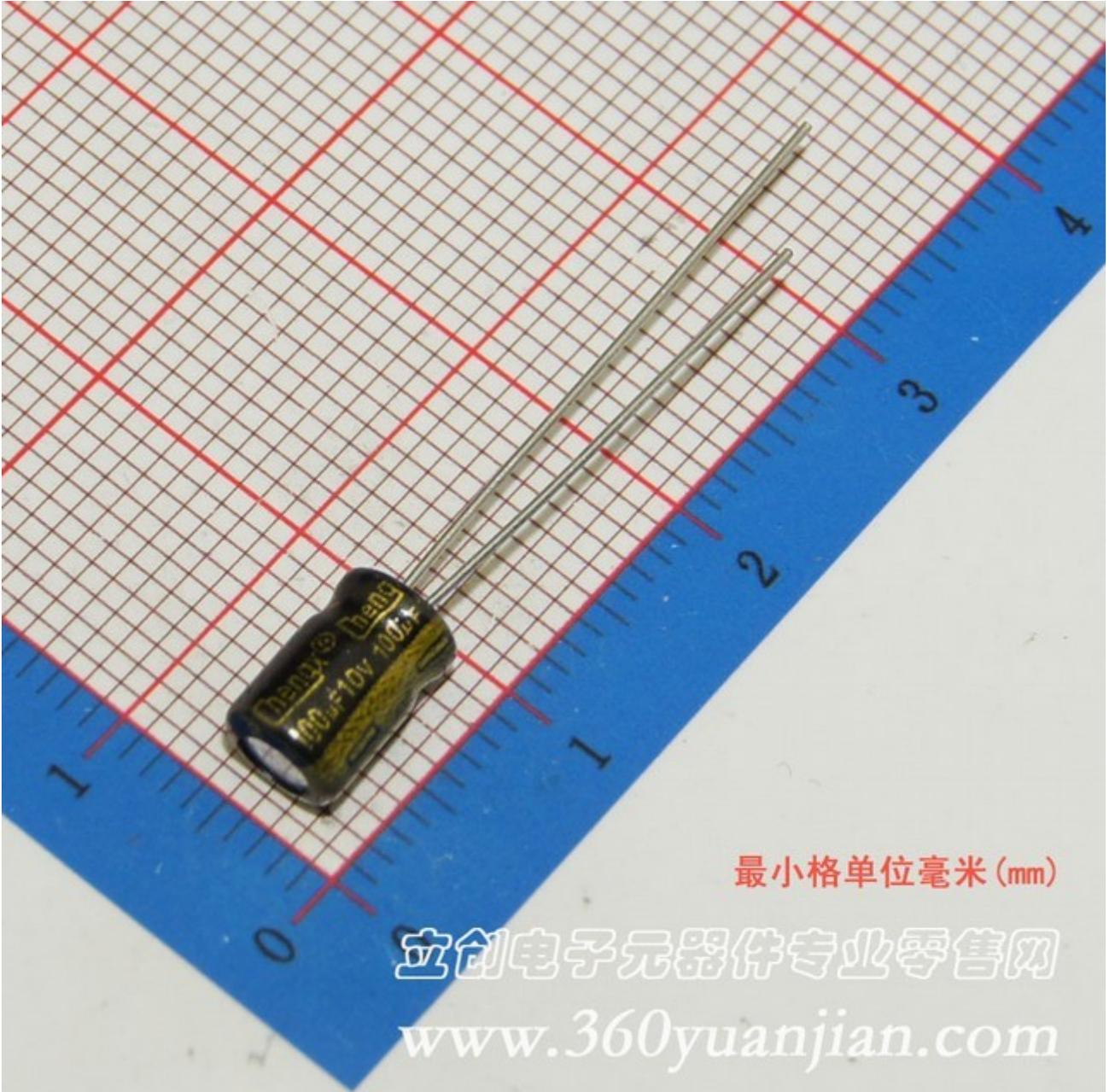


此商品编号对应的规格参数是: 100uF 10V 黑金 5*7

此商品的实物图片为:

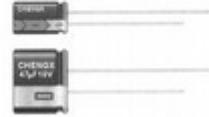


ZF Series

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 μ 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 δ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16	25	35	
	tan δ (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 δ : $\leq 200\%$ 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 δ : $\leq 200\%$ of initial specified value		
Others	JIS C - 5101 (IEC 60384)						

CASE SIZE TABLE

ϕD	4	5	6.3	8					
F	1.5	2.0	2.5	3.5					
ϕd	0.45		0.45						
α	(L ≤ 7) 1		(L ≥ 9) 1.5						

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient		120	1k	10k	100k
Cap(μ F)	Coefficient-Freq.(Hz)				
	~ 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.(μ 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 ϕ D x L(mm)

Maximum Impedance (Ω) at 20°C 100kHz

Voltage (Code)		25V (1E)			35V (1V)					
Cap.(μ 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 ϕ D x L(mm)

Maximum Impedance (Ω) at 20°C 100kHz