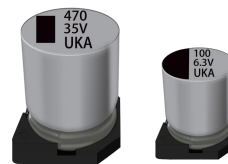


VYZ Series 片式铝电解电容器 150°C耐高溫品

Higher Temperature 150°C Aluminum Electrolytic Capacitor of V-chip Type

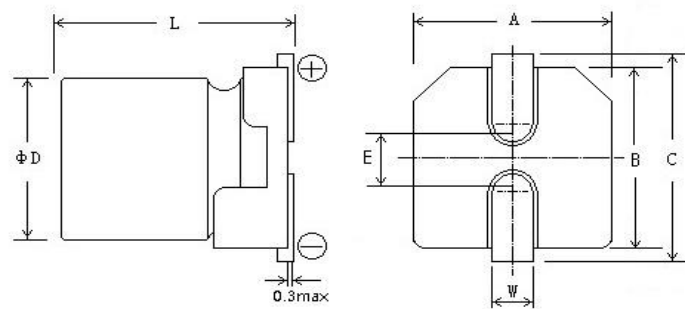


- 工作温度范围宽(-40°C~+150°C)
- 适用于高密度表面组装
- 可对应耐振构造产品。
- Operating over wide temperature range(-40°C~+150°C).
- Suitable for high density surface assembly.
- Can be corresponding vibration resistant structure products.
- 适用于回流焊
- 适用于汽车电装品的高温用途。
- 符合 AEC-Q200。
- Reflow soldering is available.
- Suitable for high temperature application of car denso.
- Compliance with AEC-Q200.

■主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-40~+150°C				
额定电压范围 Rated Voltage Range	25~35V DC				
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20°C)				
漏电流 (20°C) Leakage Current	$I \leq 0.03CV(\mu A)$ 或 $3 \mu A$ 取较大者, (2分钟) $I \leq 0.03CV(\mu A)$ or $3 \mu A$ Whichever is greater (after 2 minutes) I=Leakage Current(μA), C=Capacitance(μF), V=Rated DC Working Voltage(V)				
损耗角正切值 Dissipation Factor (120Hz 20°C)	WV	25	35		
	tg δ	0.16	0.14		
	0.02 is added to every 1000 μF increase over 1000 μF				
温度特性 (120Hz) Temperature Characteristics Impedance Ratio (120Hz)	WV	25	35		
	$Z_{-25^\circ C} / Z_{+20^\circ C}$	2	2		
	$Z_{-40^\circ C} / Z_{+20^\circ C}$	4	3		
耐久性 Load Life	+150°C施加额定电压 1000 小时, 恢复 16 小时后, 电容器应满足要求 After applying rated voltage for 2000 hours at +150°C and then resumed 16 hours. The capacitor shall meet the following limits.				
	电容量变化率 Capacitance Change	≤ ±30% 初始测量值 ≤ ±30% of Initial measured value			
	漏电流值 Leakage	≤ 规定值 ≤ The specified value			
	损耗角正切值 Dissipation Factor	≤ 3 倍规定值 ≤ 300% of the specified value			
高温贮存 Shelf Life (150°C)	试验时间: 1000 小时, 其他项目与耐久性相同。电压应用处理: 根据 JIS C5101-4 4.1 Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1				
额定纹波电流的频率系数 Frequency coefficient of rated ripple current	Frequency Capacitor	120Hz	1KHz	10KHz	100KHz
	330~560 μF	0.50	0.85	0.94	1.00
	750~1800 μF	0.60	0.87	0.95	1.00
	2400 μF	0.75	0.90	0.95	1.00

■外形图 Outline Drawing



单位 Unit : mm

Size	$\phi 12.5 \times 13.5$	$\phi 12.5 \times 16$	$\phi 16 \times 16.5$	$\phi 16 \times 21.5$	$\phi 18 \times 16.5$	$\phi 18 \times 21.5$
$A \pm 0.2$	13.0	13.0	17	17	19	19
$B \pm 0.2$	13.0	13.0	17	17	19	19
E	5.2	5.2	6.5	6.5	6.5	6.5
$L \pm 0.5$	13.5	16	16.5	21.5	16.5	21.5
$C \pm 0.2$	13.8	13.8	18	18	20	20
W	1.1 ~ 1.4					

■ 标称电容量、额定电压、额定纹波电流与外形尺寸对应表

Nominal capacitance, rated voltage, rated ripple current and case size table

Cap(μF) \backslash WV	25V			35V		
	$\phi D \times L$ (mm)	Z max (Ω)	I (mA)	$\phi D \times L$ (mm)	Z max (Ω)	I (mA)
330				12.5×13.5	0.27	670
390				12.5×16	0.21	800
560	12.5×13.5	0.14	860	16×16.5	0.16	920
750	12.5×16	0.11	1000	18×16.5	0.13	1000
910				16×21.5	0.10	1260
1000	16×16.5	0.10	1120			
1200				18×21.5	0.084	1320
1500	18×16.5	0.10	1210			
1800	16×21.5	0.058	1460			
2400	18×21.5	0.058	1560			

I~额定纹波电流 Rated ripple current: (mA, 150°C, 100KHz), Z 阻抗值 Impedance: (Ω , 20°C, 100KHz)