

KS Series 105°C Overvoltage Vent Operation Facility



Features

- ◆ High ripple current capability
- ◆ This series has specification of vent operation in overvoltage situation
- ◆ RoHS Compliant

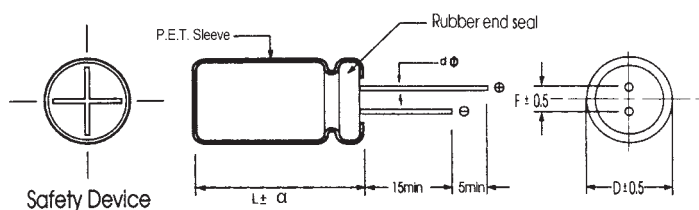
Specifications

Item	Performance Characteristics		
Operating Temperature Range	-25~+105°C		
Rated Voltage Range	200V、400V		
capacitance range	4.7~470µF		
Capacitance Tolerance	±20%(120Hz,+20°C)		
Leakage Current (+20°C,max.)	I ≤ 0.03 CV (µA) After 1 minute with rated working voltage applied.		
Dissipation Factor (tan δ , at 20°C , 120Hz)	Rated Voltage(VDC)	200	400
	D.F. (%)max.	15	15
Endurance	Test condition		
	Duration time	:2000Hrs	
	Ambient temperature	:+105°C	
	Applied voltage	:Rated DC working voltage	
	After test requirement at +20°C		
	Capacitance change	: ≤ ±20% of the initial measured value	
	Dissipation factor	: ≤ 200% of the initial specified value	
Leakage current	: ≤ The initial specified value		
Shelf Life	Test condition		
	Duration time	:1000Hrs	
	Ambient temperature	:+105°C	
	Applied voltage	:None	
	After test requirement at +20°C	:Same limits as Endurance.	
	Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.		

Multiplier for Ripple Current vs. Frequency

VDC	Capacitance(µF)	Frequency(Hz)					
		60(50)	120	400	1K	1K	≥10K
200	22~470	0.85	1	1.1	1.25	1.25	1.5
	4.7~68	0.85	1	1.05	1.2	1.2	1.4
400	82~150	0.85	1	1.03	1.15	1.15	1.35

Diagram of Dimensions:(unit:mm)



D φ	10	13	16	18
F	5.0	5.0	7.5	7.5
d φ	0.6		0.8	

α	D < 16	D = 16		D = 18		D > 18
	L: 25~35.5	L < 25 and L ≥ 40	L: 25~31.5	L < 25 and L ≥ 35.5		
	1.5	1.5	2.0	1.5	2.0	2.0

Case Size

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mArms/105°C /120Hz)
200	22	10x20	120
200	33	10x25	160
200	33	13x20	160
200	47	10x30	195
200	47	13x20	195
200	56	13x25	210
200	68	13x25	270
200	68	16x20	270
200	82	13x30	310
200	82	16x20	320
200	82	16x25	360
200	100	16x25	400
200	100	18x20	400
200	120	16x25	460
200	120	16x31.5	500
200	120	18x25	500
200	150	16x31.5	560
200	150	16x35.5	590
200	150	18x25	560
200	180	16x35.5	600
200	180	18x31.5	650
200	220	18x31.5	700
200	220	18x35.5	740
200	330	18x35.5	780
200	330	18x40	840
200	390	18x40	860
200	390	18x45	920
200	470	18x45	1120

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mArms/105°C /120Hz)
400	4.7	10x12.5	60
400	10	10x16	100
400	10	10x20	125
400	22	13x20	135
400	22	13x25	150
400	22	16x20	150
400	33	13x25	180
400	33	16x20	210
400	47	16x31.5	300
400	47	16x35.5	320
400	47	18x25	300
400	47	18x31.5	320
400	56	16x31.5	360
400	56	18x25	350
400	56	18x31.5	370
400	68	16x31.5	365
400	68	16x35.5	380
400	68	18x31.5	375
400	82	16x35.5	410
400	82	18x31.5	410
400	82	18x35.5	450
400	100	16x35.5	470
400	100	18x31.5	470
400	100	18x35.5	490
400	120	18x31.5	520
400	120	18x35.5	540
400	120	18x40	560
400	150	18x35.5	770
400	150	18x40	790