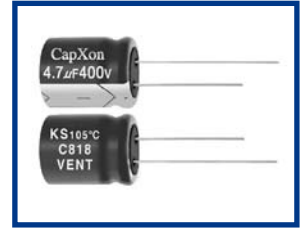


## KS Series 105°C Overvoltage Vent Operation Facility



### Features

- ◆ High ripple current capability.
- ◆ This series has specification of vent operation in overvoltage situation.
- ◆ For detail specifications, please refer to Engineering Bulletin NO. E158
- ◆ RoHS Compliant

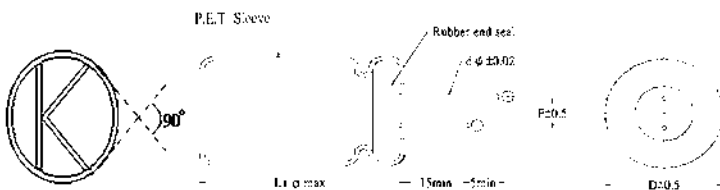
### Specifications

Item	Performance Characteristics		
Operating Temperature Range	-25~+105°C		
Rated Voltage Range	200V、400V		
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)	Working Voltage(VDC)	200	400
	D.F.(%)max.	15	15
Load Life	Test condition		
	Duration time	:2000 Hrs	
	Ambient temperature	:+105°C	
	Applied voltage	:Rated DC working voltage	
	After test requirement at +20°C		
	Capacitance change	: ≤ ±20% of the initial measured value	
Shelf Life	Dissipation factor	: ≤ 200% of the initial specified value	
	Leakage current	: ≤ The initial specified value	
	Test condition		
	Duration time	:1000 Hrs	
	Ambient temperature	:+105°C	
	Applied voltage	:None	
After test requirement at +20°C	:Same limits as Load life.		
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	≥10K
200	22~470	0.85	1.00	1.10	1.25	1.50
	4.7~68	0.85	1.00	1.05	1.20	1.40
400	82~150	0.85	1.00	1.03	1.15	1.35

### Diagram of Dimensions:(unit:mm)



Dφ	10	13	16	18
F	5.0	5.0	7.5	7.5
dφ	0.6		0.8	

α	D < 18	D = 18	
	1.5	L < 35.5	L ≥ 35.5
		1.5	2.0

## Case Size

φ DxL(mm)

WV (SV) Cap (μF)	200 (250)		WV (SV) Cap (μF)	400 (450)	
	Size	Ripple		Size	Ripple
22	10X20	120	4.7	10X12.5	60
33	10X25	160	10	10X16	100
	13X20	160		10X20	125
47	10X30	195	22	13X20	135
	13X20	195		13X25	150
56	13X25	210		16X21	150
68	13X25	270	33	13X25	180
	16X21	270		16X21	210
82	13X30	310	47	16X31.5	300
	16X21	320		16X35.5	320
	16X25	360		18X25	300
100	16X25	400		18X31.5	320
120	18X21	400	56	16X31.5	360
	16X25	460		18X25	350
	16X31.5	500		18X31.5	370
150	18X25	500	68	16X31.5	365
	16X31.5	560		16X35.5	380
	16X35.5	590		18X31.5	375
180	18X25	560	82	16X35.5	410
	16X35.5	600		18X31.5	410
220	18X31.5	650		18X35.5	450
330	18X35.5	700	100	16X35.5	470
	18X41	740		18X31.5	470
390	18X35.5	780		18X35.5	490
	18X41	840	18X31.5	520	
470	18X41	860	120	18X35.5	540
	18X45	920		18X41	560
	18X45	1120	150	18X35.5	770
		18X41		790	

Ripple Current ( mA, rms ) at 105°C 120Hz