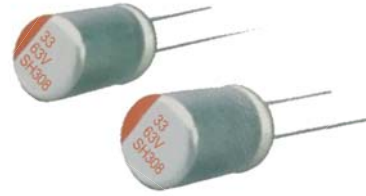


SH series High Voltage/High Reliability

Features

- ★ High voltage and high reliability, Large permissible ripple current
- ★ Low ESR at high frequency range
- ★ Applicable to the power circuit and industrial electronic equipment (such as: military products, high-end industrial power, LED lighting drive power supply), can satisfy lead-free soldering conditions.

适用于电源电路及工业电子设备（如：军工产品、高端工业电源、LED照明驱动电源等），可满足无铅焊锡条件。

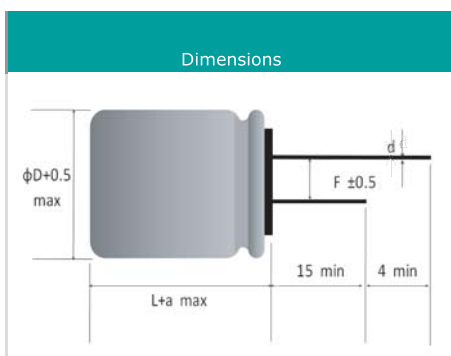


Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105℃	
Rated Voltage Range	35~200vdc	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	≤0.2CV(μA,after 2 minutes)	
Dissipation Factor(tanδ,at 20℃,120Hz)	Not exceed the value specified	
ESR(100KHz)	Not exceed the value specified	
Endurance 105℃,2000h,at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified
Moisture Resistance Stored at 60℃,RH90~95%,1000h	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified

Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1



Size

Unit: mm

ΦDXL	ΦD+0.5 max.	a	F±0.5	Φd±0.05	
5X7/8	5	1	2	0.45	
5X9	5	1	2	0.45	
6.3X7	6.3	1	2.5	0.5/0.6	
6.3X8	6.3	1	2.5	0.5/0.6	
6.3X9	6.3	1	2.5	0.5/0.6	
6.3X11	6.3	1	2.5	0.6	
8X8	8	1	3.5	0.6	
8X11.5	8	1.5	3.5	0.6	
10X12.5	10	1.5	5	0.6	

Size List

WV(SV) Cap(μF)	35 (41)	50 (57.5)	63 (73)	80 (92)	100 (115)	160 (184)	200 (230)
1.8						8X8	10X12.5
3.3						8X8	10X12.5
4.7			6.3X8	6.3X8	8X8	10X12.5	10X12.5
10	6.3X8	6.3X8	6.3X8	6.3X8	8X11.5/10X12.5	10X12.5	
15	6.3X8	6.3X8	8X8	8X8	10X12.5		
22	6.3X8/8X8	8X8	8X11.5/10X12.5	8X11.5/10X12.5	10X12.5		
33	8X8	8X8/8X11.5	10X12.5	10X12.5			
39	8X8/8X11.5	8X11.5/10X12.5	10X12.5	10X12.5			
47	8X8/8X11.5	10X12.5	10X12.5	10X12.5			
56	8X11.5/10X12.5	10X12.5					
68	8X11.5/10X12.5	10X12.5					
82	8X11.5/10X12.5	10X12.5					
100	8X11.5/10X12.5		10X12.5				
220	10X12.5						
330	10X12.5						

Dimensions & Characteristics

Ripple Current(mA,rms) at 105℃,100KHz

W.V (V)	Capacitance (uF)	LC. (uA,2min)	tgδ (120Hz,20℃)	ESR (mΩ,100KHz)	Rated Ripple Current (mA,rms)	Size ΦDXL(mm)	Part Number
28	400	2240	12	28	2600	10X12.5	SH407M028G1250
35	10	300	12	45	2000	6.3X8	SH106M035E0800
35	15	300	12	45	2000	6.3X8	SH156M035E0800
35	22	300	12	45	2600	6.3X8	SH226M035E0800
35	22	300	12	35	2600	8X8	SH226M035F0800
35	33	300	12	35	2600	8X8	SH336M035F0800
35	39	300	12	30	2980	8X11.5	SH396M035F1150
35	39	300	12	35	2600	8X8	SH396M035F0800
35	47	329	12	30	2980	8X11.5	SH476M035F1150
35	47	329	12	35	2600	8X8	SH476M035F0800
35	56	392	12	28	3800	10X12.5	SH566M035G1250
35	56	392	12	30	2980	8X11.5	SH566M035F1150
35	68	476	12	28	3800	10X12.5	SH686M035G1250
35	68	476	12	30	2980	8X11.5	SH686M035F1150
35	82	574	12	28	3800	10X12.5	SH826M035G1250
35	82	574	12	30	2980	8X11.5	SH826M035F1150
35	100	700	12	28	3800	10X12.5	SH107M035G1250
35	100	700	12	30	2980	8X11.5	SH107M035F1150
35	220	1540	12	28	3800	10X12.5	SH227M035G1250
35	330	2310	12	28	3800	10X12.5	SH337M035G1250
50	10	300	12	45	2000	6.3X8	SH106M050E0800
50	15	300	12	45	2000	6.3X8	SH156M050E0800
50	22	300	12	45	2600	8X8	SH226M050F0800
50	33	330	12	45	2700	8X11.5	SH336M050F1150
50	33	330	12	45	2600	8X8	SH336M050F0800
50	39	390	12	45	2900	10X12.5	SH396M050G1250
50	39	390	12	45	2700	8X11.5	SH396M050F1150
50	47	470	12	45	2900	10X12.5	SH476M050G1250
50	56	560	12	45	2900	10X12.5	SH566M050G1250
50	82	820	12	45	2900	10X12.5	SH826M050G1250
63	4.7	300	12	45	1700	6.3X8	SH475M063E0800
63	10	300	12	45	1700	6.3X8	SH106M063E0800
63	15	300	12	45	1900	8X8	SH156M063F0800
63	22	300	12	45	2700	10X12.5	SH226M063G1250
63	22	300	12	45	2700	8X11.5	SH226M063F1150
63	33	416	12	45	2900	10X12.5	SH336M063G1250
63	39	491	12	45	2900	10X12.5	SH396M063G1250
63	47	592	12	45	2900	10X12.5	SH476M063G1250
63	100	1260	12	45	2900	10X12.5	SH107M063G1250
80	4.7	300	10	50	1700	6.3X8	SH475M080E0800
80	10	300	10	50	1700	6.3X8	SH106M080E0800
80	15	300	10	50	1900	8X8	SH156M080F0800
80	22	352	10	50	2700	8X11.5	SH226M080F1150
80	22	352	10	50	2900	10X12.5	SH226M080G1250
80	33	528	10	50	2900	10X12.5	SH336M080G1250
80	39	624	10	50	2900	10X12.5	SH396M080G1250
80	47	752	10	50	2900	10X12.5	SH476M080G1250
100	4.7	300	10	50	1700	8X8	SH475M100F0800
100	10	300	10	50	1700	8X8	SH106M100F0800
100	10	300	10	50	1900	8X11.5	SH106M100F1150
100	15	300	10	50	2700	10X12.5	SH156M100G1250
100	22	440	10	50	2900	10X12.5	SH226M100G1250
160	1.8	300	10	80	800	8X8	SH185M160F0800
160	3.3	300	10	80	800	8X8	SH335M100F0800
160	4.7	300	10	80	1000	10X12.5	SH475M160G1250
160	10	320	10	80	1000	10X12.5	SH106M160G1250
200	1.8	300	10	150	600	10X12.5	SH185M200G1250
200	3.3	300	10	150	600	10X12.5	SH335M200G1250
200	4.7	300	10	150	600	10X12.5	SH475M200G1250