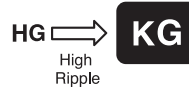


LARGE ALUMINUM ELECTROLYTIC CAPACITORS

KG Wide Temperature, High Ripple Series

- High ripple current compared with HG series
- Load life of 3000 hours at 105°C
- Complied to the RoHS directive



Item	Characteristics									
Operating temperature range	-40 ~ +105°C									
Capacitance tolerance	±20% at 120Hz, 20°C									
Leakage current max.	$I=3\sqrt{CV}$ (µA) (after 5 minutes)									
Dissipation factor max. (at 120Hz, 20°C)	Capacitance > 1000µF : tanδ increases by 0.01 for each 1000µF from below value.									
	<table border="1"> <tr> <td>WV</td> <td>400</td> <td>420</td> <td>450</td> <td>500</td> </tr> <tr> <td>tanδ</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </table>	WV	400	420	450	500	tanδ	0.15	0.20	0.20
WV	400	420	450	500						
tanδ	0.15	0.20	0.20	0.20						
Load life (after application of the rated voltage for 3000 hours at 105°C)	Leakage current	Less than specified value								
	Capacitance change	Within ±20% of initial value								
	tanδ	Less than 200% of specified value								
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4									

- DRAWING (See page 190)
- DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV µF / ØD	400				420				450			
	22	25.4	30	35	22	25.4	30	35	22	25.4	30	35
100					22×30 0.77	25.4×25 0.75			22×30 0.77	25.4×25 0.98		
120	22×30 0.90	25.4×25 0.86			22×30 0.86	25.4×25 0.84			22×35 0.95	25.4×25 1.07		
150	22×35 1.05	25.4×25 1.01			22×35 1.07	25.4×30 1.06	30×25 1.14		22×40 1.16	25.4×30 1.16	30×25 1.09	
180	22×40 1.32	25.4×30 1.31	30×25 1.35		22×40 1.27	25.4×35 1.28	30×25 1.24		22×45 1.39	25.4×35 1.39	30×30 1.36	
220	22×45 1.53	25.4×35 1.54	30×30 1.50		22×50 1.58	25.4×40 1.52	30×30 1.50	35×25 1.39		25.4×40 1.60	30×30 1.58	35×25 1.53
270	22×50 1.78	25.4×40 1.71	30×30 1.81	35×25 1.63		25.4×45 1.77	30×35 1.67	35×30 1.69		25.4×50 2.02	30×35 1.80	35×30 2.04
330		25.4×50 2.05	30×35 2.03	35×30 1.98			30×40 2.06	35×30 1.81			30×45 2.13	35×35 2.33
390			30×40 2.14	35×35 2.21			30×45 2.33	35×35 2.10			30×50 2.40	35×40 2.61
470			30×50 2.54	35×40 2.60			30×50 2.63	35×45 2.57				35×45 2.92

WV µF / ØD	500			
	22	25.4	30	35
68	22×25 0.67			
82	22×30 0.77	25.4×25 0.79		
100	22×35 0.87	25.4×30 0.90		
120	22×40 0.98	25.4×30 0.98	30×25 0.99	
150	22×45 1.11	25.4×35 1.14	30×30 1.19	
180	22×50 1.24	25.4×40 1.28	30×30 1.22	35×25 1.19
220		25.4×50 1.46	30×35 1.39	35×30 1.34
270			30×40 1.58	35×35 1.51
330			30×50 1.83	35×40 1.73
390				35×45 1.91
470				35×50 2.15

← Case size ØD×L (mm)
← Ripple current (Arms) at 105°C, 120Hz

- FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV	Frequency	60Hz	120Hz	300Hz	1kHz	10kHz ≤
400 ~ 500		0.85	1.00	1.15	1.20	1.40