How To Order:

Series: GV, CB, CZ Part No.

Series	476	M	100	S
Capacitance 10PF=100 100PF=101 1000PF=102 1NF=1000pf=102 1UF=10000000=105		Tolerance B=0.1PF C=0.25PF D=0.5PF G=2% J=5% K=10% Z=+80%~-20% M=20%	Voltage 50V=500 500V=501 1000V=102 2KV=2000V=202	Life: S=1000 hours L=2000 hours

GV = 85C CZ I= low ESR CB= 105C = HV

Description: CHIP ALUMINUN Capacitor 47uf 20% 10V 1000Hrs

size: 4X5.5mm

Note:

The normal packing of Chip Alum. Cap. is Taped/Reel.

The quantity of dia 4ϕ is 2000pcs/Reel、

The quantity of dia 6.3ϕ is 1000pcs/Reel、

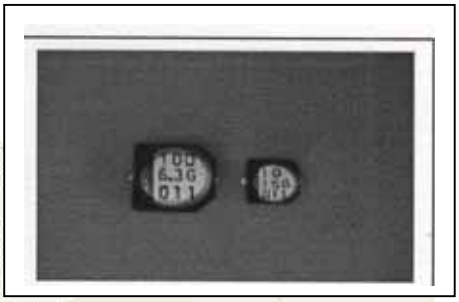
The quantity of dia 8×6.2ϕ is 1000pcs/Reel

The quantity of 8×10.2ϕ is 500pcs/Reel

SMD Chip Aluminum Electrolytic Capacitor

■ Features
Applications
. Lifetime:85℃, 2000hrs
. Low profile vertical chip

■Recommended
. AV (TV, Video, Audio)
. Monitor/Computer



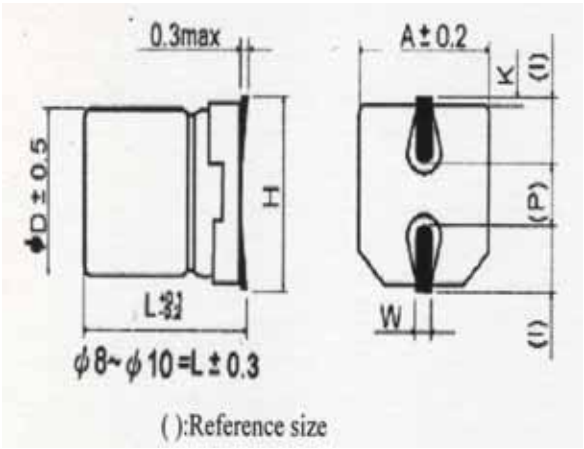
GV Series

Specifications

Items	Characteristics							
Capacitance Tolerance	±20% (M) (120Hz,20℃)							
Rated Voltage Range (WV)	4~100 VDC							
Operating Temperature Range	-40~+85℃							
Surge Voltage (V) (20℃)	WV	4	6.3	10	16	25	35	50
	SV	5	8	13	20	32	44	63
Leakage Current (Max) (20℃)	I ≦0.01CV or 3 μA whichever is greater (After rated voltage applied for 2 minutes)							
	I =Leakage Current (μA) C=Nominal Capacitance (μF) V=Rated Voltage (V)							
Dissipation Factor (Max) (tan δ) (120Hz, 20℃)	Shown in the table of standard rating							
Low Temperature Stability Impedance Ratio (Max)	WV	4	6.3	10	16	25	35	50
	Z(120Hz)							
	Z(-25℃)/Z(20℃)	7	4	3	2	2	2	2
	Z(-40℃)/Z(20℃)	15	8	6	4	4	3	3
Load Life	After applying rated voltage for 2000 hours at 85℃, the capacitor shall meet the following requirement.							
	Capacitance Change	Within±20% of the initial value						
	Dissipation Factor	Not move than 200% of the specified value						
	Leakage Current	Not more than the specified value						
Shelf Life	After placed at 85℃ without voltage applied for 1000 hours, the capacitor shall meet the same requirement as load life.							
Applicable standards	Refer to JIS C-5101							

SMD Chip Aluminum Electrolytic Capacitor

Dimensions (mm)



φD	L	A	H	I	W	P	K
4.0	5.4	4.3	5.5 Max	1.8	0.65±0.1	1.0±0.2	0.35 +0.15 -0.20
5.0	5.4	5.3	6.5 Max	2.2	0.65±0.1	1.5±0.2	0.35 +0.15 -0.20
6.3	5.4	6.6	7.8 Max	2.6	0.65±0.1	1.8±0.2	0.35 +0.15 -0.20
8.0	6.2	8.3	9.5 Max	3.4	0.65±0.1	2.2±0.2	0.35 +0.15 -0.20
8.0	10.2	8.3	10.0 Max	3.4	0.90±0.2	3.1±0.2	0.70±0.2
10.0	10.2	10.3	12.0 Max	3.5	0.90±0.2	4.6±0.2	0.70±0.2

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	60	120	1K	10K
Coefficient	0.80	1.00	1.15	1.25

Temperature coefficient

Ambient Temperature(℃)	≦50	70	85
Coefficient	1.36	1.25	1.00

Case Size / tan δ / Max Ripple Current / ESR

CASE SIZE (φD×L (mm)) & MAX DISSIPATION FACTOR (tan δ / 120Hz, 20℃) & MAX PERMISSIBLE RIPPLE CURRENT

(RC (m Arms) / 120Hz, 85℃) & MAX EQUIVALENT SERIES RESISTANCE (ESR(Ω)/120Hz,20℃)

WV	4				6.3				10				16			
SPEC	φD×L	tan δ	RC	ESR	φD×L	tan δ	RC	ESR	φD×L	tan δ	RC	ESR	φD×L	tan δ	RC	ESR
4.7													4×5.4	0.16	20	45.1
10													4×5.4	0.16	28	21.1
22	4×5.4	0.35	19	21.1	4×5.4	0.26	20	15.6	4×5.4	0.30	28	18.0	4×5.4	0.26	27	15.6
													5×5.4	0.16	39	
33	4×5.4	0.35	26	14.0	5×5.4	0.26	22	10.4	4×5.4	0.30	29	8.03	5×5.4	0.26	45	10.4
									5×5.4	0.20	43		6.3×5.4	0.16	66	
47	4×5.4	0.35	34	9.87	5×5.4	0.26	46	7.33	5×5.4	0.30	43	8.46	6.3×5.4	0.16	70	4.51
100	5×5.4	0.35	61	4.64	6.3×5.4	0.26	71	3.44	6.3×5.4	0.26	70	3.44	6.3×5.4	0.20	70	2.65
220	6.3×5.4	0.35	82	2.11	8×6.2	0.35	250	2.11	8×6.2	0.26	250	1.56	8×10.2	0.20	280	1.20
330					8×6.2	0.35	300	1.40	8×10.2	0.26	330	1.04	10×10.2	0.20	380	0.803
470					8×10.2	0.35	380	0.987	10×10.2	0.26	400	0.733	10×10.2	0.20	420	0.564
1000					10×10.2	0.35	700	0.464	10×10.2	0.26	580	0.344				

SMD Chip Aluminum Electrolytic Capacitor

WV	25				35				50			
SPEC μF	φD×L	tan δ	RC	ESR	φD×L	tan δ	RC	ESR	φD×L	tan δ	RC	ESR
0.1									4×5.4	0.12	1	1593
0.22									4×5.4	0.12	2	723
0.33									4×5.4	0.12	3	482
0.47									4×5.4	0.12	5	338
1									4×5.4	0.12	10	159
2.2					4×5.4	0.12	8	72.3	4×5.4	0.12	16	72.3
3.3					4×5.4	0.12	10	48.2	4×5.4	0.12	16	48.2
4.7	4×5.4	0.14	22	39.5	4×5.4	0.12	22	33.8	5×5.4	0.12	23	33.8
10	5×5.4	0.14	28	18.5	5×5.4	0.12	30	15.9	6.3×5.4	0.12	35	15.9
22	6.3×5.4	0.14	55	8.44	6.3×5.4	0.12	60	7.23	8×6.2	0.12	110	7.23
33	6.3×5.4	0.14	65	5.62	8×6.2	0.14	130	5.62	8×10.2	0.12	120	4.82
47	6.3×5.4	0.20	70	6.20	8×6.2	0.14	165	3.95	10×10.2	0.12	130	3.38
	8×6.2	0.16	96									
100	8×10.2	0.16	180	2.12	10×10.2	0.14	210	1.85	10×10.2	0.12	190	1.59
220	10×10.2	0.16	310	0.964	10×10.2	0.14	310	0.844				

SMD Chip Aluminum Electrolytic Capacitor

CB Series

Features

- Long life of 2000 hrs at 105℃.
- Reflow soldering is available.
- Available for high density mounting
- For detail specifications, please refer to Engineering Bulletin No. E131

Specifications

<table>
<tr><th>Item</th><th>Performance Characteristics</th></tr>
<tr><td>Operating Temperature Range</td><td>-40~+105℃</td></tr>
<tr><td>Rated Voltage Range</td><td>6.3~50VDC</td></tr>
<tr><td>Capacitance Range</td><td>0.1 to 1000μF</td></tr>
<tr><td>Capacitance Tolerance</td><td>±20% (120Hz, +20℃)</td></tr>
<tr><td>Leakage Current (+20℃,max.)</td><td>1≦0.01CV or 3 (μA)
After 2 minutes, whichever is greater measured with rated working voltage applied</td></tr>
<tr><td>Dissipation Factor (tan δ)</td><td>(+20℃, at 120Hz)
<table>
<tr><td>Rated voltage (VDC)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr>
<tr><td>D.F. (%)max</td><td>0.42</td><td>0.3</td><td>0.24</td><td>0.2</td><td>0.16</td><td>0.14</td><td>0.14</td></tr>
</table></td></tr>
<tr><td>Low Temperature Characteristics (120Hz)</td><td>Impedance ratio max
<table>
<tr><td>Rated voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr>
<tr><td>Z-25℃/Z+20℃</td><td>6</td><td>4</td><td>4</td><td>3</td><td>2</td><td>2</td></tr>
<tr><td>Z-40℃/Z+20℃</td><td>12</td><td>10</td><td>8</td><td>6</td><td>4</td><td>4</td></tr>
</table></td></tr>
<tr><td>Load Life</td><td>Test conditions
Duration time :2000 Hrs
Ambient temperature :+85℃
Applied voltage :Rate DC working voltage
After test requirements at +20℃:
Capacitance change :Within ±30% of the initial value
Dissipation factor :Not more than 300% of specified value
Leakage current : Not more than the specified value</td></tr>
<tr><td>Shelf Life</td><td>Test conditions
Duration time :1000Hrs
Ambient temperature :+105℃
Applied voltage :None
After test requirements at +20℃ :Same limits as Load life.
Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.</td></tr>
</table>

SMD Chip Aluminum Electrolytic Capacitor

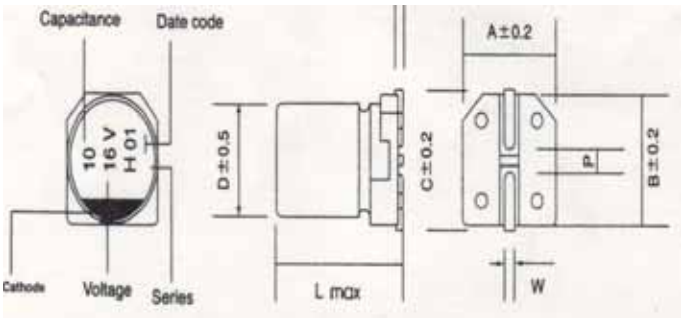
Multiplier for Ripple Currents vs. Frequency

Frequency(Hz)		60(50)	120	500	1K	10K≦
Multiplier	0.1~47μF	0.8	1.0	1.20	1.30	1.50
	100~1000μF	0.8	1.0	1.10	1.15	1.20

Multiplier for Ripple Currents vs. Temperature

Temperature℃	65	85	105
Multiplier	2.1	1.7	1.0

Diagram of Dimensions: (mm)



ΦD	L	A	B	C	W	P
4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
6.3	5.5	6.6	6.6	7.2	0.5~0.8	1.9
8	6.5	8.3	8.3	9.0	0.5~0.8	2.3
8	10.5	8.3	8.3	9.0	0.7~1.1	3.1
10	10.5	10.3	10.3	11.0	0.7~1.1	4.5

Case Size

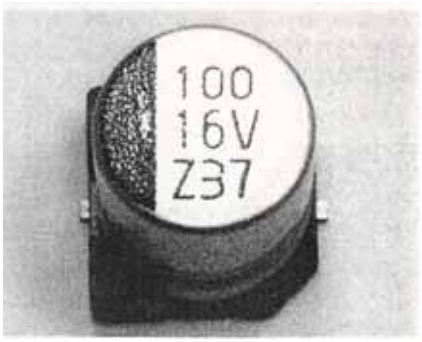
Φ DxL(mm)

WV (SV) / uF	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4×5.5	1.0
0.22											4×5.5	2.0
0.33											4×5.5	3.0
0.47											4×5.5	4.0
1											4×5.5	8.4
2.2											4×5.5	11
3.3											4×5.5	13
4.7							4×5.5	12	4×5.5	14	4×5.5	18
10					4×5.5	20	4×5.5	12	4×5.5	24	6.3×5.5	28
22	4×5.5	23	4×5.5	25	4×5.5	31	6.3×5.5	38	6.3×5.5	46	8×6.5	55
33	4×5.5	28	4×5.5	34	5×5.5	40	6.3×5.5	48	8×6.5	50	8×10.5	135
					6.3×5.5	40						
47	4×5.5	37	6.3×5.5	40	6.3×5.5	56	8×6.5	60	8×6.5	65	8×10.5	155
100	6.3×5.5	57	8×6.5	60	8×6.5	62	8×10.5	180	8×10.5	180	10×10.5	315
220	8×6.5	65	8×6.5	70	8×6.5	185	10×10.5	190	10×10.5	360		
					8×10.5	185						
330	8×10.5	70	8×10.5	195	10×10.5	195						
470	8×10.5	210	10×10.5	440								
1000	10×10.5	480										

Ripple Current (mA, rms) at 105℃ 120Hz

SMD Chip Aluminum Electrolytic Capacitor

CZ Series



Features

- Low impedence 100KHz
- Reflow soldering is available
- Available for high density mounting
- Voad life 1000 HR at 105℃
- For detail specifications, please refer to Engineering Bulletin No. E135

Specifications

Item	Performance Characteristics
Operating Temperature Range	-55~+105℃
Rated Voltage Range	6.3~35VDC
Capacitance Range	1 to 220 μF
Capacitance Tolerance	±20% (120Hz, 20℃)
Leakage Current	After 2 minutes, leakage current is not more than 0.01CV or 3(μA), whichever is greater.
Dissipation Factor (tan δ)	(+20℃, at 120Hz) Working voltage (VDC): 6.3 / 10 / 16 / 25 / 35 D.F. (%)max: 0.22 / 0.19 / 0.16 / 0.14 / 0.14
Low Temperature Characteristics (120Hz)	Impedance ratio max Working voltage (VDC): 10 / 16 / 35 / 35 / 50 Z-25℃/Z+20℃: 3 / 2 / 2 / 2 / 2 Z-40℃/Z+20℃: 6 / 4 / 4 / 3 / 3
Load Life	Test conditions Duration time :1000 Hrs Ambient temperature :+105℃ Applied voltage :Rate DC working voltage After test requirements at +105℃: Capacitance change : ≦±25% of the initial measured value Dissipation factor : ≦±200% of the initial specified value Leakage current : ≦The initial specified value
Shelf Life	Test conditions Duration time :1000 Hrs Ambient temperature :+105℃ Applied voltage :None After test requirements at +105℃ :Same limits as Load life.

SMD Chip Aluminum Electrolytic Capacitor

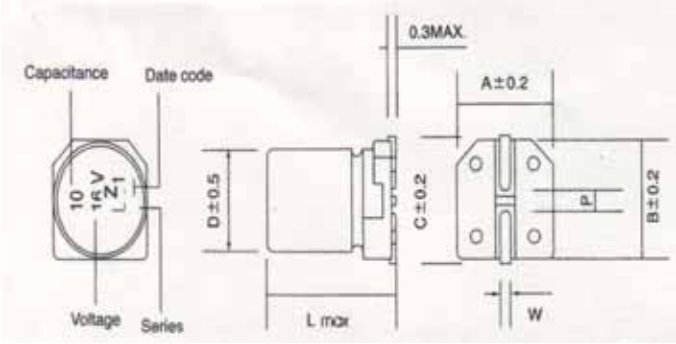
Multiplier for Ripple Currents vs. Frequency

CAP (μF)\Hz		60(50)	120	400	1K	10K	50K-100K
Multiplier	CAP≦10	0.47	0.59	0.76	0.85	0.97	1.0
	10<CAP≦100	0.52	0.65	0.80	0.89	0.97	1.0

Multiplier for Ripple Currents vs. Temperature

Temperature℃	65	85	105
Multiplier	2.1	1.7	1

Diagram of Dimensions: (unit: mm)



ΦD	L	A	B	C	W	P
4	5.5	4.3	4.3	4.9	0.5~0.8	1.0
5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
6.3	5.5	6.6	6.6	7.2	0.5~0.8	1.9
8	6.5	8.3	8.3	9.0	0.5~0.8	2.3
8	10.5	8.3	8.3	9.0	0.7~1.1	3.1
10	10.5	10.3	10.3	11.0	0.7~1.1	4.5

Case Size

Φ D×L(mm)

WV(SV) / uF	6.3 (8)			10 (13)			16 (20)			25 (32)			35 (44)		
	Size	Ripple	Impedance	Size	Ripple	Impedance	Size	Ripple	Impedance	Size	Ripple	Impedance	Size	Ripple	Impedance
1													4×5.5	50	5
1.5													4×5.5	50	5
2.2													4×5.5	50	5
3.3													4×5.5	50	5
4.7										4×5.5	50	5	4×5.5	50	5
6.8										4×5.5	80	5	6.3×5.5	80	2.6
10							4×5.5	50	5	6.3×5.5	80	2.6	6.3×5.5	80	2.6
15							4×5.5	80	2.6	6.3×5.5	115	1.3	6.3×5.5	115	1.3
22	4×5.5	50	5	4×5.5	80	2.6	6.3×5.5	80	2.6	6.3×5.5	115	1.3	6.3×5.5	115	1.3
33	4×5.5	80	2.6	6.3×5.5	80	2.6	6.3×5.5	115	1.3	6.3×5.5	115	1.3	8×6.5	150	0.8
47	6.3×5.5	80	2.6	6.3×5.5	115	1.3	6.3×5.5	115	1.3	8×6.5	150	0.8	8×6.5	150	0.8
68	6.3×5.5	115	1.3	6.3×5.5	115	1.3	8×6.5	150	0.8	8×6.5	150	0.8			
100	6.3×5.5	115	1.3	8×6.5	150	0.8	8×6.5	150	0.8						
150	8×6.5	150	0.8	8×6.5	150	0.8									
220	8×6.5	150	0.8												

Ripple Current (mA, rms) at 105℃ 100Hz
Max impedance(Ω) at 20℃ 100KHz

SMD Chip Aluminum Electrolytic Capacitor

FKV Series

Features

- 85℃ Low leakage case diameter φ4~φ8
- Reflow soldering is available
- Available for high density mounting
- For detail specifications, please refer to Engineering Bulletin No. E134

Specifications

<table>
<tr><th>Item</th><th>Performance Characteristics</th></tr>
<tr><td>Operating Temperature Range</td><td>-40~+85℃</td></tr>
<tr><td>Rated Voltage Range</td><td>6.3~50VDC</td></tr>
<tr><td>Capacitance Range</td><td>0.1 to 330 μF</td></tr>
<tr><td>Capacitance Tolerance</td><td>±20% (120Hz, 20℃)</td></tr>
<tr><td>Leakage Current (+20℃)</td><td>1≦0.02CV or 0.4 (μA)
After 2 minutes, whichever is greater measured with rated working voltage applied</td></tr>
<tr><td>Dissipation Factor (tan δ)</td><td>(+20℃, at 120Hz)
<table>
<tr><td>Working voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr>
<tr><td>D.F. (%)max</td><td>26</td><td>22</td><td>18</td><td>16</td><td>14</td><td>12</td></tr>
</table></td></tr>
<tr><td>Low Temperature Characteristics (120Hz)</td><td>Impedance ratio max
<table>
<tr><td>Working voltage (VDC)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>35</td><td>35</td><td>50</td></tr>
<tr><td>Z-25℃/Z+20℃</td><td>7</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr>
<tr><td>Z-40℃/Z+20℃</td><td>15</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td></tr>
</table></td></tr>
<tr><td>Load Life</td><td>Test conditions
Duration time :1000 Hrs
Ambient temperature :+85℃
Applied voltage :Rate DC working voltage

After test requirements at +20℃:
Capacitance change :Within ±25% of the initial value
Dissipation factor :Not more than 200% of specified value
Leakage current : Not more than the specified value</td></tr>
<tr><td>Shelf Life</td><td>Test conditions
Duration time :1000Hrs
Ambient temperature :+85℃
Applied voltage :None

After test requirements at +20℃ :Same limits as Load life.
Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.</td></tr>
</table>

SMD Chip Aluminum Electrolytic Capacitor

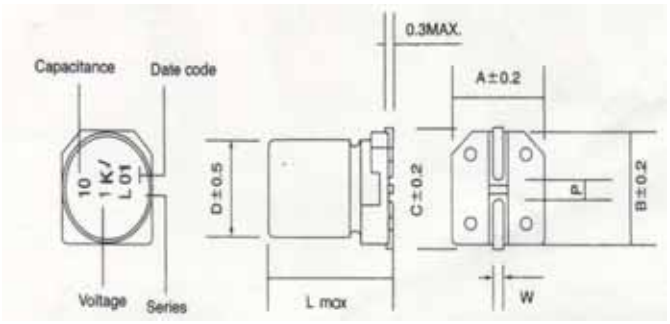
Multiplier for Ripple Currents vs. Frequency

CAP (μF)\Hz		60(50)	120	400	1K	10K	50K-100K
Multiplier	CAP≦10	0.47	0.59	0.76	0.85	0.97	1.0
	10<CAP≦100	0.52	0.65	0.80	0.89	0.97	1.0

Multiplier for Ripple Currents vs. Temperature

Temperature℃	65	85	105
Multiplier	2.1	1.7	1

Diagram of Dimensions: (unit: mm)



ΦD	L	A	B	C	W	P
4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
6.3	5.5	6.6	6.6	7.2	0.5~0.8	1.9
8	6.5	8.3	8.3	9	0.5~0.8	2.3
8	10.5	8.3	8.3	9	0.7~1.1	3.1

Case Size

Φ D×L(mm)

WV(SV) / uF	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4×5.5	1
0.22											4×5.5	2
0.33											4×5.5	2.8
0.47											4×5.5	4
1											4×5.5	8.4
2.2									4×5.5	8.4	4×5.5	13
3.3							4×5.5	10	4×5.5	15	4×5.5	17
4.7					4×5.5	10	4×5.5	16	4×5.5	18	6.3×5.5	20
10	4×5.5	15	4×5.5	23	4×5.5	23	6.3×5.5	27	6.3×5.5	29	6.3×5.5	33
22	4×5.5	28	4×5.5	33	6.3×5.5	37	6.3×5.5	42	6.3×5.5	46	8×6.5	52
33	6.3×5.5	37	6.3×5.5	41	6.3×5.5	49	6.3×5.5	52	8×6.5	62	8×6.5	71
47	6.3×5.5	45	6.3×5.5	52	6.3×5.5	58	8×6.5	70	8×6.5	80		
100	6.3×5.5	70	8×6.5	80	8×6.5	92	8×6.5	110				
220	8×6.5	110	8×6.5	135								
330	8×6.5	170										

Ripple Current (mA, rms) at 85℃ 120Hz

SMD Chip Aluminum Electrolytic Capacitor

FNV Series

Features

- 85℃ Non-polarized, 5.5 mm max height
- Reflow soldering is available
- Available for high density mounting
- For detail specifications, please refer to Engineering Bulletin No. E132

Specifications

<table>
<tr><th>Item</th><th>Performance Characteristics</th></tr>
<tr><td>Operating Temperature Range</td><td>-40~+85℃</td></tr>
<tr><td>Rated Voltage Range</td><td>6.3~50VDC</td></tr>
<tr><td>Capacitance Range</td><td>0.1 to 47 μF</td></tr>
<tr><td>Capacitance Tolerance</td><td>±20% (120Hz, 20℃)</td></tr>
<tr><td>Leakage Current (+20 ℃,max.)</td><td>0.05CV or 10 (μA)
After 2 minutes, whichever is greater measured with rated working voltage applied</td></tr>
<tr><td>Dissipation Factor (tan δ)</td><td>(+20℃, at 120Hz)
<table>
<tr><td>Rated voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>35</td><td>50</td></tr>
<tr><td>D.F. (%)max</td><td>0.3</td><td>0.24</td><td>0.2</td><td>0.14</td><td>0.14</td></tr>
</table></td></tr>
<tr><td>Low Temperature Characteristics (120Hz)</td><td>Impedance ratio max
<table>
<tr><td>Rated voltage (VDC)</td><td>6.3</td><td>10</td><td>16</td><td>35</td><td>50</td></tr>
<tr><td>Z-25℃/Z+20℃</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td></tr>
<tr><td>Z-40℃/Z+20℃</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td></tr>
</table></td></tr>
<tr><td>Load Life</td><td>Test conditions
Duration time :2000 Hrs
Ambient temperature :+85℃
Applied voltage :Rate DC working voltage
After test requirements at +20℃:
Capacitance change : Within ±25% of the initial value
Dissipation factor :Not more than 200% of specified value
Leakage current :Not more than the specified value</td></tr>
<tr><td>Shelf Life</td><td>Test conditions
Duration time :1000 Hrs
Ambient temperature :+85℃
Applied voltage :None
After test requirements at +20℃ :Same limits as Load life.
Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.</td></tr>
</table>

SMD Chip Aluminum Electrolytic Capacitor

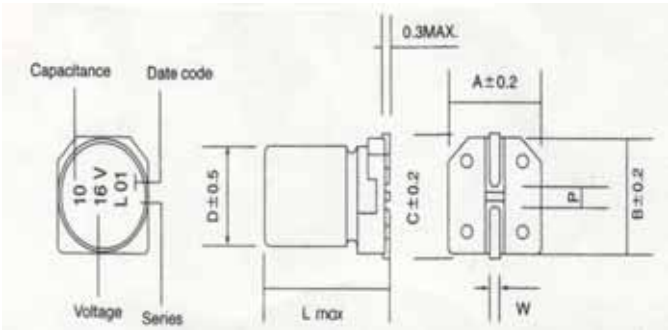
Multiplier Ripple Currents vs. Frequency

Frequency(Hz)	60(50)	120	500	1K	10K≦
Multiplier	0.8	1.0	1.2	1.30	1.50

Multiplier for Ripple Currents vs. Temperature

Temperature℃	50	70	85
Multiplier	2.0	1.6	1.0

Diagram of Dimensions: (unit: mm)



ΦD	L	A	B	C	W	P
4	5.5	4.3	4.3	5.1	0.5~0.8	1
5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
6.3	5.5	6.6	6.6	7.2	0.5~0.8	1.9

Case Size

Φ DxL(mm)

WV(SV)	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
μF	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4×5.5	1.0
0.22											4×5.5	2.0
0.33											4×5.5	2.8
0.47											4×5.5	4.0
1											4×5.5	8.4
2.2									4x5.5	8.4	4×5.5	13
											5×5.5	13
3.3					4×5.5	12	4×5.5	12	4×5.5	16	4×5.5	17
							5x5.5	12	5×5.5	16	5×5.5	17
4.7					4×5.5	12	4x5.5	16	4×5.5	18	6.3×5.5	20
							5x5.5	16	5×5.5	18		
10	4×5.5	15	4×5.5	17	4x5.5	23	6.3×5.5	27	6.3×5.5	29		
					5x5.5	23						
22	4×5.5	28	6.3x5.5	33	6.3x5.5	37						
	5x5.5	28										
33	6.3×5.5	37	6.3×5.5	41	6.3×5.5	49						
47	6.3×5.5	45										

Ripple Current (mA, rms) at 85℃ 120Hz