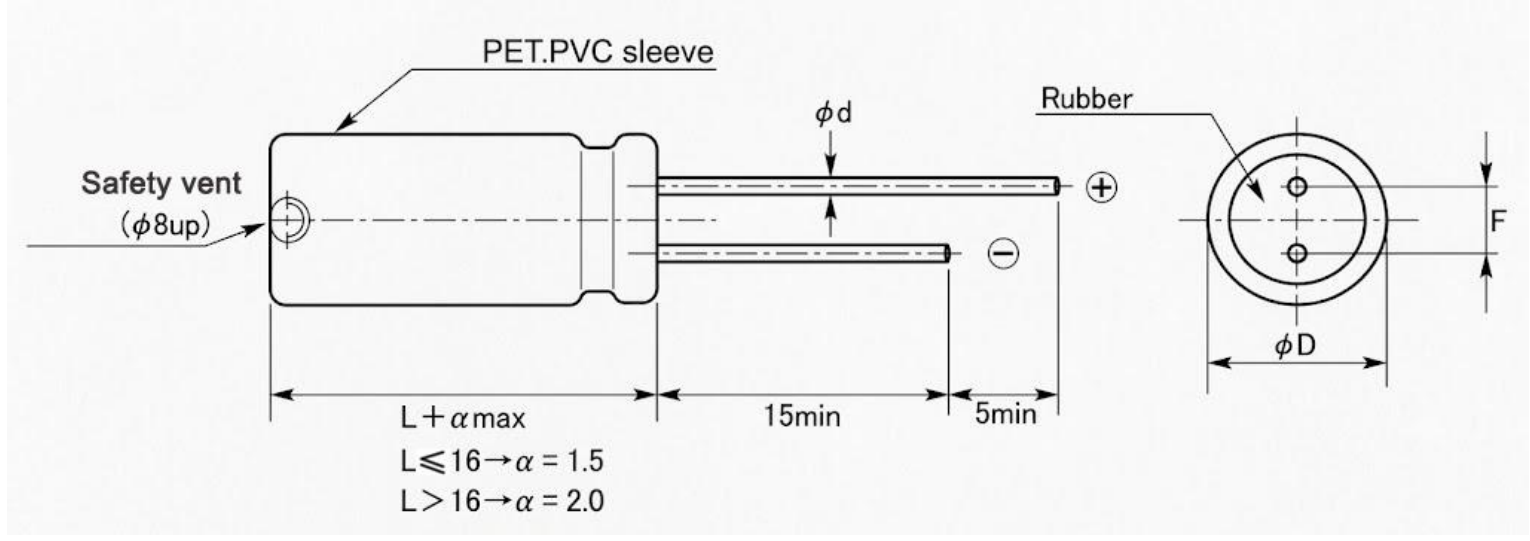


**FEATURES**

- Life time, temperature range: 2000 Hours at 85°C
- Wide CV value range for general purpose. Safely vent construction products
- Used in electronic circuits of TVs, radios, telephones, etc.
- Variety of packing: Bulk, Ammo

**DRAWING and DIMENSIONS (mm)**



D $\phi$ (+0.5max)	5	6.3	8	10~13	16	18	20	22
F( $\pm 0.5$ )	2.0	2.5	3.5	5.0	7.5		10	
d $\phi$ ( $\pm 0.05$ )		0.5	0.5, 0.6	0.6		0.8		

**PICTURE**



**SPECIFICATIONS**

NO.	Item	Performance										
1	Operating Temperature Range	-40 to +85°C	-25 to +85°C									
2	Rated Working Voltage Range	6.3-100V.DC	160-450V.DC									
3	Capacitance Tolerance	0.1-22000μF	0.47-820μF									
4	Capacitance Tolerance	±20%(at+20°C,120Hz)										
5	Leakage Current	I≤0.01CV or 3 minimum ( μA )										
		I≤0.03CV+30 ( μA ) max										
		I: Leakage Current ( μA ) C: Rated Capacitance ( μF ) V: Working Voltage ( V )										
6	Dissipation Factor(tanδ) ( 120Hz\+20°C )	Working Voltage ( V ) 6.3 10 16 25 35 50 63 100 160, 250 350~450										
		tanδ max. 0.22 0.20 0.17 0.15 0.12 0.10 0.09 0.08 0.20 0.24										
		For capacitance value > 1000μF, add 0.02 per another 1000μF										
7	Characteristics at low temperature ( Impedance ratio at 120Hz )	Working Voltage										
		Z-25°C/+20°C										
		Z-40°C/+20°C										
8	High Temperature Loading	After 2000hrs. application of DC rated working voltage at +85°C,The capacitor shall meet the following limits: Post test requirements at + 20°C										
		Leakage current		≤ the Initial specified value								
		Capacitance change		≤±20% of initial measured value								
		Dissipation Factor(tanδ)		≤200% of initial specified value								
9	Shelf Life	After storage for1000hrs. at+85°C with no voltage applied. Post test requirements at+20°C Same limits for high temperature loading.										

**Temperature Coefficient**

Coefficient	Temperature(°C)	85	70	≤50
	Coefficient	1.0	1.6	2.0

**Multiplier for ripple current, Frequency Coefficient**

μF	Frequency	60 ( 50 ) Hz	120 Hz	400Hz	1K Hz	≥10K Hz
	0.1~47	0.80	1.00	1.20	1.30	1.50
68~680	0.80	1.00	1.10	1.15	1.20	
1000~22000	0.80	1.00	1.05	1.10	1.15	



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**DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT**

W.V.(SV) μF	6.3 ( 8 )		10 ( 13 )		16 ( 20 )		25 ( 32 )		35 ( 44 )		50 ( 63 )		63 ( 79 )	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1											5×11	6.4	5×11	7
0.22											5×11	9.5	5×11	13
0.33											5×11	11	5×11	15
0.47											5×11	14	5×11	19
1.0											5×11	20	5×11	34
2.2											5×11	32	5×11	40
3.3											5×11	38	5×11	48
4.7											5×11	45	5×11	60
6.8											5×11	50	5×11	60
10							5×11	60	5×11	65	5×11	68	5×11	70
22			5×11	50	5×11	55	5×11	90	5×11	95	5×11	105	5×11	115
33			5×11	65	5×11	85	5×11	115	5×11	125	5×11	130	6.3×11	140
47			5×11	105	5×11	130	5×11	135	5×11	135	6.3×11	160	6.3×11	190
100	5×11	135	5×11	155	5×11	175	6.3×11	200	6.3×11 8×11	215 240	8×11	270	10×13	290
220	5×11	220	6.3×11	250	6.3×11 8×9	280 290	8×11	330	8×11	370	10×16	435	10×21	490
330	6.3×11	280	6.3×11	310	8×11	360	8×11	410	10×13	550	10×21	615	13×21	680
470	6.3×11	360	6.3×11 8×9	400 410	8×11	470	10×13	550	10×16 10×21	680 740	13×21	800	13×21	880
680	8×11	450	10×13	650	10×16	600	10×21	720	13×21	900	13×26	1000	16×26	1050
1000	8×11	590	10×13	660	10×16	800	10×21	970	13×21	1210	13×26	1500	16×26	1350
1500	10×13	700	10×16	800	10×21	1000	13×21	1200	13×26	1400	16×32	1600	16×36	1700
2200	10×16	950	10×21	1190	10×21 13×21	900 1350	13×26	1570	16×26 16×32	1900 2100	16×36	2270	18×36	2300
3300	10×21	1250	13×21	1480	13×26	1770	16×26	2000	16×36	2300	18×36	2750	22×40	3200
4700	13×21	1550	13×26	1800	16×26	2120	16×32	2440	18×36	2740	22×40	2540		
6800	13×25	1900	16×26	2200	16×32	2500	18×36	2850	18×41	2950				
10000	16×26	2370	16×32	2710	18×36	2950	22×40	3060						
15000	16×36	2880	18×36	3110	22×40	3240	Case size	Ripple Current						
22000	22×40	3140												

Case Size: ØD×L (mm); Ripple Current (mAr.m.s) at 85°C 120KHz



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W.V.(SV) μF	100 (125)		160 (200)		200 (250)		250 (300)		350 (400)		400 (450)		450 (500)	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1	5×11	7.2												
0.22	5×11	11												
0.33	5×11	13												
0.47	5×11	18	5×11	13	5×11	14	5×11	14	5×11	14	6.3×11	15		
0.68	5×11	20	5×11	15	5×11	15	6.3×11	15	6.3×11	20	8×11	20		
1.0	5×11	24	5×11	18	5×11	19	6.3×11	21	6.3×11	24	8×11	24	8×11	21
2.2	5×11	35	6.3×11	33	6.3×11	30	6.3×11	31	8×11	33	8×11	26	10×13	36
3.3	5×11	45	6.3×11	39	6.3×11	36	8×11	45	8×11	45	8×11	43	10×16	45
4.7	5×11	50	6.3×11	45	8×11	51	8×11	54	10×13	56	10×13	56	10×21	56
6.8	6.3×11	65	8×11	76	10×13	80	10×13	70	10×16	70	10×16	83	10×21	60
10	6.3×11	85	8×11	83	10×13	85	10×13	90	10×16	78	10×21	95	13×21	84
22	6.3×11	135	10×16	133	10×16	145	10×21	150	13×21	130	13×21	165	13×26	140
33	8×11	185	10×21	180	10×21	205	13×21	205	13×26	170	13×26	200	16×26	180
47	10×13	235	13×21	230	13×21	230	13×21	260	16×26	230	16×26	280	16×32	220
68	10×16	280	13×21	275	13×21	245	13×26	270	16×32	274	16×36	328		
82	10×21	380	13×26	350	13×26	330	16×26	330	18×32	320	18×32	405		
100	10×21	410	13×26	385	16×26	400	16×32	450	18×32	365	18×32	420		
120	13×21	520	13×26	400	16×26	420	16×32	465						
220	13×26	720	16×36	645	18×32	680	22×40	780						
330	13×26	870	18×36	760	22×40	900	22×40	910						
470	16×26	1200	18×41	800	22×40	1130								
680	16×35 18×32	1200 1573						Case size	Ripple Current					
1000	18×36	1800												

Case Size: ØD×L (mm); Ripple Current (mAr.m.s) at 85°C 120KHz

**Note: Other capacitance is available on request. WEET is capable of doing custom service for you.**



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**PN STRUCTURE:**

**100uF 25V ±20% 6.3x11mm P:2.5mm Bulk RoHS**  
**PN: WGDSM1E101M00630110025000BR**

<b>WGD-SM</b>	<b>1E</b>	<b>101</b>	<b>M</b>	<b>00630110</b>	<b>025</b>	<b>000</b>	<b>B</b>	<b>R</b>
Series	Rated Voltage	Capacitance	Capacitance Tolerance	Dimension	Pitch	Lead Length	Packing	Pb
	1.	2.	3.	4.	5.	6.	7.	8.

**1. Rated Voltage**

Code	0J	1A	1C	1D	1E	1V	1G	1H	1J	1K	2A	2B
Voltage	6.3V	10V	16V	20V	25V	35V	40V	50V	63V	80V	100V	120V
Code	2C	2K	2D	2E	2F	2U	2V	2G	2X	2W	2H	2Y
Voltage	160V	180V	200V	250V	315V	330V	350V	400V	420V	450V	500V	550V

**2. Capacitance**

Code	0R1	R22	R33	R47	010	2R2	3R3	4R7	100	220	330	470	101
Capacitance (µF)	0.1	0.22	0.33	0.47	1	2.2	3.3	4.7	10	22	33	47	100

**3. Capacitance Tolerance**

Code	K	L	M
Tolerance	±10%	±15%	±20%

**4. Dimension**

Code	00500110	00630120	01300200	03500450
Dimension (mm)	5x11	6.3×112	13×20	35×45

**5. Pitch**

Code	020	075	100	127
Pitch (mm)	2.0	7.5	10	12.7

**6. Lead Length**

Code	000	040	045	050
Lead Length	Standard	4.0	4.5	5.0

**7. Packing**

Code	B	A
Packing	Bulk	Ammo

**8. Pb**

Code	L	R
Pb	Leaded	RoHS

