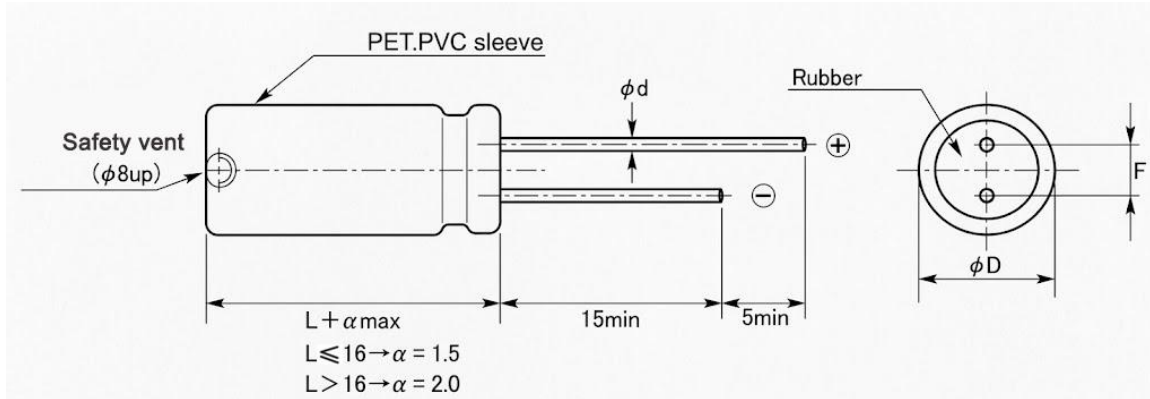


FEATURES

- Long Life time:5000 ~10000 Hours at 105°C
- Used in power supper of numeral color-TV 、 frequency conversion Air conditioning,numeral acoustics circuits
- Variety of packing: Bulk , Ammo

DRAWING and DIMENSIONS (mm)



D ϕ (+0.5Max)	5	6.3	8	10~13	16	18
F(± 0.5)	2	2.5	3.5	5	7.5	
d ϕ (+0.5Max)	0.5		0.5, 0.6	0.6	0.8	

PICTURE



SPECIFICATIONS

No.	Item	Performance								
1	Operating Temperature Range	-40 to +105°C	-25 to +105°C							
2	Rated Working Voltage Range	10-50V.DC	160-450V.DC							
3	Capacitance Tolerance	1-3300μF	6.8-220μF							
4	Capacitance Tolerance	±20%(at+20°C,120Hz)								
5	Leakage Current	I ≤0.01CV +3(μA) after three minutes Application of rated working voltage +20°C	I ≤0.04CV+100(μA) after three minutes Application of rated working voltage +20°C							
6	Dissipation Factor(tanδ) (120Hz\+20°C)	Working Voltage (V)	10	16	25	35	50	160~250	350~450	
		tanδ max.	0.19	0.16	0.14	0.12	0.10	0.15	0.20	
7	Characteristics at low temperature (Impedance ratio at 120Hz)	Working Voltage (V)	10	16	25	35	50	160~250	350~450	
		Z-25°C/+20°C	4	3	2	2	2	3	6	
		Z-40°C+20°C	8	4	3	3	3	-	-	
8	High Temperature Loading	DØ	<8Ø		8Ø		≥10Ø			
		Life hours	5000		8000		10000			
		Application of DC rated working voltage at +105°C,The capacitor shall meet the following limits: Post test requirements at + 20°C								
		Leakage current	≤ the Initial specified value							
	Capacitance change	≤±25% of initial measured value								
	Dissipation Factor(tanδ)	≤200% of initial specified value								
9	Shelf Life	After 1000hrs. Application of DC no rated working voltage at +105°C,The capacitor shall meet the following limits: Post test requirements at + 20°C								
		Leakage current	≤200% of initial specified value							
		Capacitance change	≤±20% of initial measured value							
		Dissipation Factor(tanδ)	≤200% of initial specified value							

Temperature Coefficient

Coefficient	Temperature (°C)	105	85	≤65
Coefficient		1.0	1.7	2.1

Multiplier for ripple current, Frequency Coefficient

Frequency	120 Hz	1K Hz	10K Hz	≥100K Hz
Multiplier	0.50	0.80	0.85	1.00



DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV (SV) Item uF	10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
1									5×11	40
2.2									5×11	50
3.3									5×11	60
4.7									5×11	70
6.8									6.3×11	75
10	5×11	60	5×11	65	5×11	65	5×11	65	6.3×11	85
22	5×11	78	5×11	95	5×11	105	5×11	120	6.3×11	130
33	5×11	82	5×11	100	5×11	125	6.3×11	155	8×12	210
47	5×11	90	5×11	150	6.3×11	200	8×12	235	8×12 10×13	250 260
68	6.3×11	115	6.3×11	190	8×12	255	8×12	280	10×13	310
100	6.3×11	185	8×12	230	8×12	285	10×13	360	10×16	450
150	6.3×11	245	10×16	260	10×13	400	10×16	550	10×20	650
220	6.3×11	310	8×12 10×13	400 430	10×16	535	10×20	700	13×20	850
330	8×12	415	10×16	510	10×20	700	13×20	900	13×25	1000
470	10×13	500	10×20	700	13×20	950	13×25	1020	16×26	1350
1000	10×20	920	13×20	1020	13×25	1350	16×32	1680	18×32	1820
2200	13×20	1450	16×26	1820	16×32	2280				
3300	16×26	1800	16×32	1950						

WV (SV) Item uF	160 (200)		200 (250)		250 (300)		350 (400)		400 (450)		450 (500)	
	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
6.8							10×20	180	10×20	220	13×20	120
10	10×16	220	10×20	220	10×20	240	13×20	220	13×20	220	13×25	270
22	10×20	350	10×20	350	13×20	420	13×25	300	16×26	370	16×26	460
33	13×20	400	13×20	470	13×25	480	16×21	350	18×21	420	18×25	500
47	13×20	520	13×20	520	16×21	650	18×21	500	18×25	600	18×32	630
68	13×25	700	16×25	700	18×21	830	18×25	630	18×32	780		
100	18×21	920	18×21	920	18×25	1020						
150	18×25	1070	18×25	1070	18×32	1220						
220	18×25	1130	18×32	1300								

Case Size: Ø×L (mm; Ripple current (mA rms) at105°C,120Hz

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



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PN Structure For Example:

220uF 25V ±20% 8x12mm P:3.5mm Bulk RoHS
PN: WGDLEH1E221M00800120035000BR

WGD-LEH	1E	221	M	00800120	035	000	B	R
<u>Series</u>	<u>Rated Voltage</u>	<u>Capacitance</u>	<u>Capacitance Tolerance</u>	<u>Dimension</u>	<u>Pitch</u>	<u>Lead Length</u>	<u>Packing</u>	<u>Pb</u>
	<u>1.</u>	<u>2.</u>	<u>3.</u>	<u>4.</u>	<u>5.</u>	<u>6.</u>	<u>7.</u>	<u>8.</u>

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

