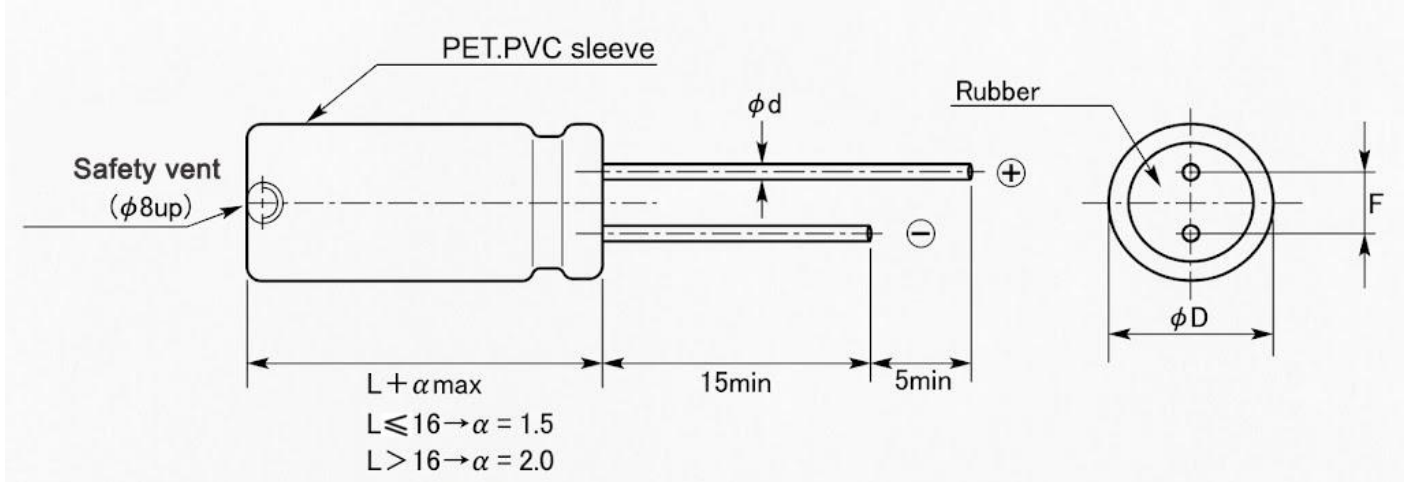


**FEATURES**

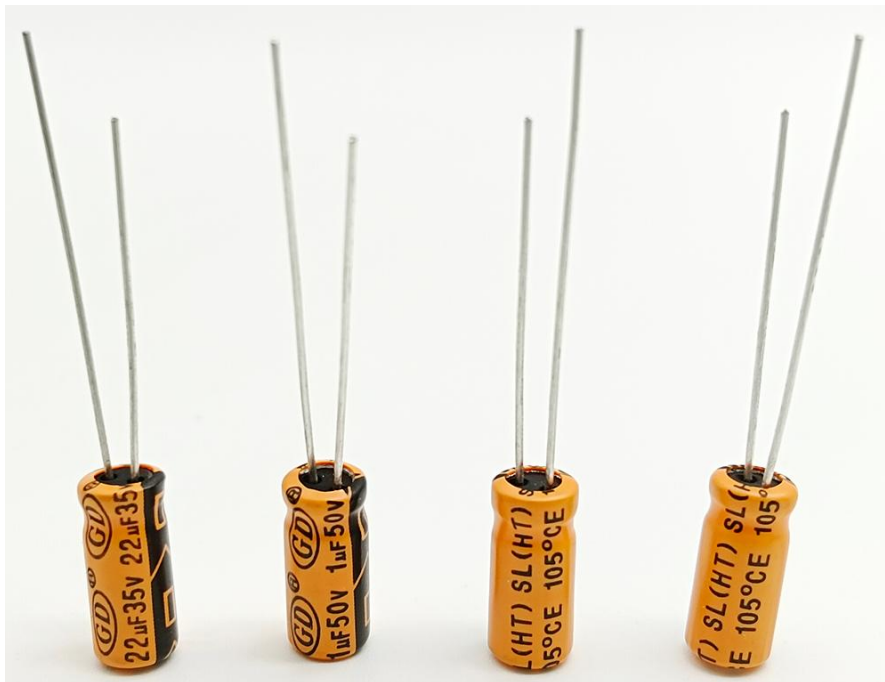
- Life time, temperature range: 2000 Hours at 105°C
- After storage under normal or high temperature with no voltage applied, can still keep good low-leakage current in good stability
- Used in TVs frequency channel conversion or weak signal import loop circuits
- Variety of packing: Bulk, Ammo

**DRAWING and DIMENSIONS (mm)**



D $\phi$ (+0.5max)	5	6.3	8	10~13	16	18
F( $\pm 0.5$ )	2.0	2.5	3.5	5.0	7.5	
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 +105°C							
2	Rated Working Voltage Range	6.3-63V.DC							
3	Capacitance Tolerance	0.1-2200μF							
4	Capacitance Tolerance	±20%(at+20°C,120Hz)							
5	Leakage Current	$I \leq 0.002CV + 0.4 (\mu A)$							
		Whichever is greater after 3 minutes . I: Leakage Current ( $\mu A$ ) C: Rated Capacitance ( $\mu F$ ) V: Working Voltage ( V )							
6	Dissipation Factor(tan $\delta$ ) ( 120Hz\+20°C )	Working Voltage ( V )							
		tan $\delta$ max.							
		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 +105°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(tan $\delta$ )	≤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(tan $\delta$ )	≤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**

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
68~2200		0.80	1.00	1.10	1.15	1.20



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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	1	5×11	1
0.22											5×11	2	5×11	2
0.33											5×11	3	5×11	3
0.47											5×11	5	5×11	5
1.0											5×11	10	5×11	10
2.2											5×11	20	5×11	20
3.3											5×11	35	5×11	35
4.7							5×11	30	5×11	35	5×11	40	5×11	40
10					5×11	40	5×11	35	5×11	55	5×11	60	6.3×11	75
22	5×11	45	5×11	50	5×11	70	5×11	85	5×11	90	6.3×11	100	8×12	110
33	5×11	55	5×11	70	5×11	90	5×11	100	6.3×11	120	6.3×11	130	8×12	160
47	5×11	75	5×11	90	5×11	110	6.3×11	130	6.3×11	140	8×12	180	10×13	200
100	5×11	100	6.3×11	140	6.3×11	180	8×12	210	8×12	240	10×13	290	10×20	330
220	6.3×11	220	8×12	280	8×12	300	10×13	360	10×16	410	10×20	480	13×20	540
330	8×12	310	8×12	360	10×13	400	10×16	470	10×20	530	13×20	600	13×25	700
470	8×12	380	10×13	460	10×16	520	10×20	600	13×25	670	16×26	750	16×26	840
680	10×16	480	10×20	590	13×20	720	13×25	800	16×26	830	16×26	900	16×32	1050
1000	10×16	650	10×20	750	13×20	900	13×25	1000	16×26	1100	16×32	1140	18×36	1320
1500	13×20	900	13×25	1020	16×26	1150	16×32	1260	16×36	1380	18×36	1480		
2200	13×20	1050	13×25	1180	16×26	1300	18×36	1430	18×36	1580				

Case Size: ØD×L (mm); Ripple Current (mAr.m.s) at 105°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% 8x12mm P:3.5mm Bulk RoHS**  
**PN: WGD SL1E101M00800120035000BR**

<b>WGD-SL</b>	<b>1E</b>	<b>101</b>	<b>M</b>	<b>00800120</b>	<b>035</b>	<b>000</b>	<b>B</b>	<b>R</b>
<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>
	1.	2.	3.	4.	5.	6.	7.	8.

**1. Rated Voltage**

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

**2. Capacitance**

<b>Code</b>	<b>0R1</b>	<b>R22</b>	<b>R33</b>	<b>R47</b>	<b>010</b>	<b>2R2</b>	<b>3R3</b>	<b>4R7</b>	<b>100</b>	<b>220</b>	<b>330</b>	<b>470</b>	<b>101</b>
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**

<b>Code</b>	<b>K</b>	<b>L</b>	<b>M</b>
Tolerance	±10%	±15%	±20%

**4. Dimension**

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

**5. Pitch**

<b>Code</b>	<b>020</b>	<b>075</b>	<b>100</b>	<b>127</b>
Pitch (mm)	2.0	7.5	10	12.7

**6. Lead Length**

<b>Code</b>	<b>000</b>	<b>040</b>	<b>045</b>	<b>050</b>
Lead Length	Standard	4.0	4.5	5.0

**7. Packing**

<b>Code</b>	<b>B</b>	<b>A</b>
Packing	Bulk	Ammo

**8. Pb**

<b>Code</b>	<b>L</b>	<b>R</b>
Pb	Leaded	RoHS

