

GE (CD26E)

- Low impedance at 100KHZ, Load life:105 2000 hours.
- Enabled high ripple current by a reduction of ESR at high frequency range . Suitable for P4 mother board.
- Adapted to the ROHS directive (2002/95/EC).

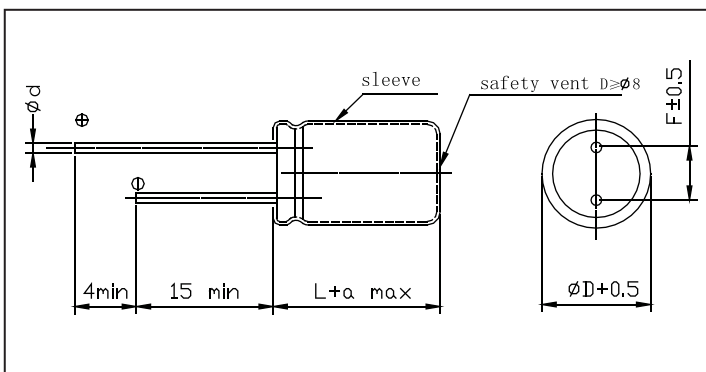


Specifications

Item	Performance Characteristics								
Operating temperature range	-25~ +105°C								
Rated voltage range	6.3 ~ 16V								
Nominal capacitance range	470 ~ 4700µF								
Capacitance tolerance	±20% (120Hz, +20°C)								
Leakage current	$I \leq 0.03CV$ (µA) (at 20°C, after 2 minutes) (Whichever is greater)								
Dissipation factor (+20°C, 120 Hz) (tg δ)	<table border="1"> <tr> <td>U_R (V)</td> <td>6.3</td> <td>10</td> <td>16</td> </tr> <tr> <td>tg δ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> </tr> </table> <p>For capacitance value >1000µF, add 0.02 per another 1000µF</p>	U_R (V)	6.3	10	16	tg δ	0.22	0.19	0.16
U_R (V)	6.3	10	16						
tg δ	0.22	0.19	0.16						
Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>U_R (V)</td> <td>6.3</td> <td>10</td> <td>16</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>2</td> <td>2</td> <td>2</td> </tr> </table>	U_R (V)	6.3	10	16	Z-25°C / Z+20°C	2	2	2
U_R (V)	6.3	10	16						
Z-25°C / Z+20°C	2	2	2						
Load life	<p>After applying rated voltage for 2000 hours at +105°C and then resumed 16 hours:</p> <p>Capacitance change : ± 25% Initial measured value</p> <p>Leakage current : ≤ Initial specified value</p> <p>Dissipation factor : ≤ 2 times Initial specified value</p>								
Shelf life	<p>After storage for 1000 hours at +105°C and then resumed 16 hours</p> <p>Capacitance change : ± 20% Initial measured value</p> <p>Leakage current : ≤ 2 times Initial specified value</p> <p>Dissipation factor : ≤ 2 times Initial specified value</p>								

Case size table

Unit: mm



D	8	10	12.5
F	3.5	5.0	5.0
d	0.5、0.6	0.6	

αMAX	(L < 20) 1.5
	(L ≥ 20) 2.0

■ RIPPLE CURRENT MULTIPLIER

Frequency coefficient

Cap.(μF) \ (Hz)	120	1K	10K	100K
470-3300	0.50	0.80	0.90	1.00

Temperature coefficient

Temperature ($^{\circ}C$)	~65	85	105
Factor	2.10	1.70	1.00

■ DIMENSIONS

$\varnothing D \times L$ (mm) Impedance (20 $^{\circ}C$ / 100KHz)
 Rated Ripple Current (+105 $^{\circ}C$,100HZ)

C_R (μF)	Item Code	U_R	6.3V(0J)			10V(1A)			16V(1C)		
			case size $\varnothing D \times L$	Impedance	Ripple	case size $\varnothing D \times L$	Impedance	Ripple	case size $\varnothing D \times L$	Impedance	Ripple
				($m\Omega$ MAX)	mArms		($m\Omega$ MAX)	mArms		($m\Omega$ MAX)	mArms
470	471							8x12	43	1036	
680	681				8x12	43	1036	8x16	34	1355	
								10x12.5	31	1400	
820	821	8x12	43	1036							
1000	102				8x16	34	1355	8x20	25	1700	
					10x12.5	31	1400	10x16	23	1818	
1200	122	8x16	34	1355							
		8x20	25	1700							
1500	152	8x20	25	1700	8x20	25	1700	10x20	16	2318	
		10x12.5	31	1400	10x16	23	1818				
1800	182	10x16	23	1818	10x20	16	2318	10x25	14	2545	
2200	222	10x20	16	2318	10x25	14	2545	12.5x25	13	2980	
3300	332	10x25	14	2545							
4700	472	10x30	13	2665							

LOW Z