

GD (CD26D)

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



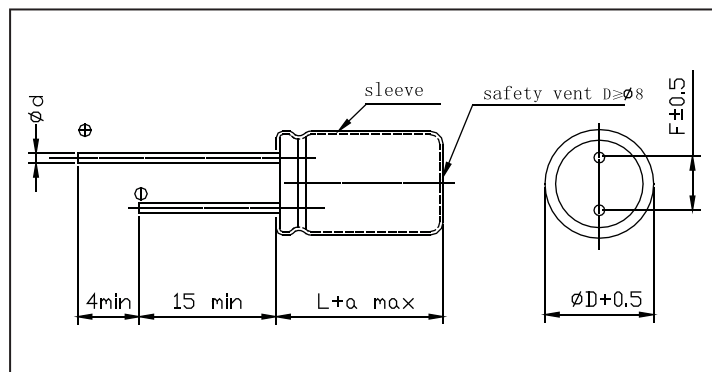
■ Specifications

Item	Performance Characteristics								
Operating temperature range	-25~ +105°C								
Rated voltage range	6.3 ~ 16V								
Nominal capacitance range	470 ~ 3300μF								
Capacitance tolerance	± 20% (120Hz, +20°C)								
Leakage current	$I \leq 0.03CV$ (μA) (at 20°C, after 2 minutes) (Whichever is greater)								
(tg δ) Dissipation factor (+20°C, 120 Hz)	<table border="1" style="margin-left: auto; margin-right: auto;"> <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 style="text-align: center;">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" style="margin-left: auto; margin-right: auto;"> <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 : ± 25% Initial measured value</p> <p>Leakage current : ≤ 2 times Initial specified value</p> <p>Dissipation factor : ≤ 2 times Initial specified value</p>								

LOW Z

■ Case size table

Unit: mm



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

α MAX	(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

($^{\circ}C$) Temperature	~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 $^{\circ}C$,120HZ)

$C_R(\mu F)$	U_R Code	Item	6.3V(0J)			10V(1A)			16V(1C)		
			case size $\varnothing D \times L$	Impedance ($m\Omega$ max)	Ripple mArms	case size $\varnothing D \times L$	Impedance ($m\Omega$ max)	Ripple mArms	case size $\varnothing D \times L$	Impedance ($m\Omega$ max)	Ripple mArms
470	471							8 x 12	36	1140	
680	681				8 x 12	36	1140	8 x 16	28	1490	
								10 x 12.5	26	1540	
820	821		8 x 12	36	1140						
1000	102					8 x 16	28	1490	8 x 20	19	1870
						10 x 12.5	26	1540	10 x 16	19	2000
1200	122		8 x 16	28	1490						
			8 x 20	19	1870						
1500	152		8 x 20	19	1870	8 x 20	19	1870	10 x 20	13	2550
			10 x 12.5	26	1540	10 x 16	19	2000			
1800	182		10 x 16	19	2000	10 x 20	13	2550	10 x 25	12	2800
2200	222		10 x 20	13	2550	10 x 25	12	2800			
3300	332		10 x 25	12	2800						

LOW Z