

ZS (CD26Z)



◎ Low impedance, with 7mm height, wide operating temperature range.

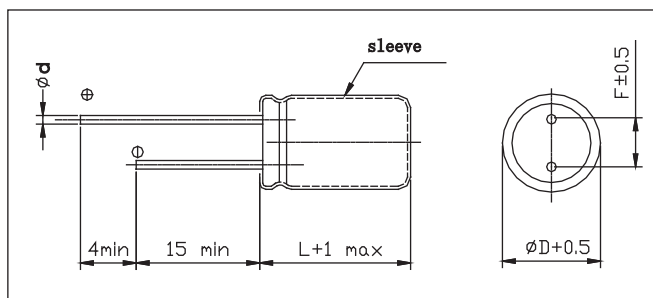
◎ Adapted to the ROHS directive (2002/95/EC).

Specifications

Item	Performance Characteristics																		
Operating temperature range	-40 ~ +85°C																		
Rated voltage range	6.3 ~ 35 V																		
Nominal capacitance range	6.8 ~ 220 μ F																		
Capacitance tolerance	\pm 20% (120Hz, +20°C)																		
Leakage current	$I \leq 0.01CV$ or $3(\mu A)$ (at 20, after 2 minutes) (whichever is greater)																		
Dissipation factor (+20°C, 120Hz) (tg δ)	<table border="1"> <thead> <tr> <th>$U_R(V)$</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <td>tg δ</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td></td> </tr> </tbody> </table>	$U_R(V)$	6.3	10	16	25	35	tg δ	0.18	0.16	0.14	0.12							
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Temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th>$U_R(V)$</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <td>Z-25°C / Z+20°C</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	$U_R(V)$	6.3	10	16	25	35	Z-25°C / Z+20°C	2	2	2	2	2	Z-40°C / Z+20°C	3	3	3	3	3
	$U_R(V)$	6.3	10	16	25	35													
	Z-25°C / Z+20°C	2	2	2	2	2													
Z-40°C / Z+20°C	3	3	3	3	3														
Load life	After applying rated voltage for 1000 hours at +105°C and then resumed 16 hours: Capacitance change: \pm 25% Initial measured value Leakage current: \leq Initial specified value Dissipation factor: \leq 2 times Initial specified value																		
Shelf life	After storage for 1000 hours at +105°C and then resumed 16 hours Capacitance change: \pm 25% Initial measured value Leakage current: \leq 2 times Initial specified value Dissipation factor: \leq 2 times Initial specified value																		

Case size table

Unit: mm



D	4	5	6	8
F	1.5	2.0	2.5	3.5
d	0.45			0.5

Frequency coefficient

Cap. (μ F)	(Hz)	120	1K	10K	100K
~180		0.40	0.75	0.90	1.00
		0.50	0.85	0.94	1.00

Temperature coefficient

(°C)	-55	60	70	85	105
Temperature					
Factor	2.23	2.17	2.00	1.75	1.00

Dimensions

CR (μ F)	Code	6.3V(0J)			10V(1A)			16V(1C)			25V(1E)			35V(1V)		
		Case	Impe.	R.C.	Case	Impe.	R.C.	Case	Impe.	R.C.	Case	Impe.	R.C.	Case	Impe.	R.C.
6.8	6R8													4x7	3.3	70
10	100													4x7	1.7	110
15	150							4x7	3.3	70	5x7	1.7	110	6x7	0.8	160
22	220				4x7	3.3	70	5x7	1.7	110	5x7	1.7	110	6x7	0.8	160
33	330	5x7	1.7	110	5x7	1.7	110	6x7	0.8	160	6x7	0.8	160	8x7	0.5	200
47	470	5x7	1.7	110	6x7	0.8	160	6x7	0.8	160	8x7	0.5	200			
68	680	6x7	0.8	160	6x7	0.8	160	8x7	0.5	200	8x7	0.5	200			
100	101	6x7	0.8	160	8x7	0.5	200	8x7	0.5	200						
150	151	8x7	0.5	200	8x7	0.5	200									
220	221	8x7	0.5	200												

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHZ
Maximum Impedance (Ω) at 20°C 100KHZ.

LOW Z