

## ZDS Series 表面粘著型85°C 3mm height 超低型高度3mm品

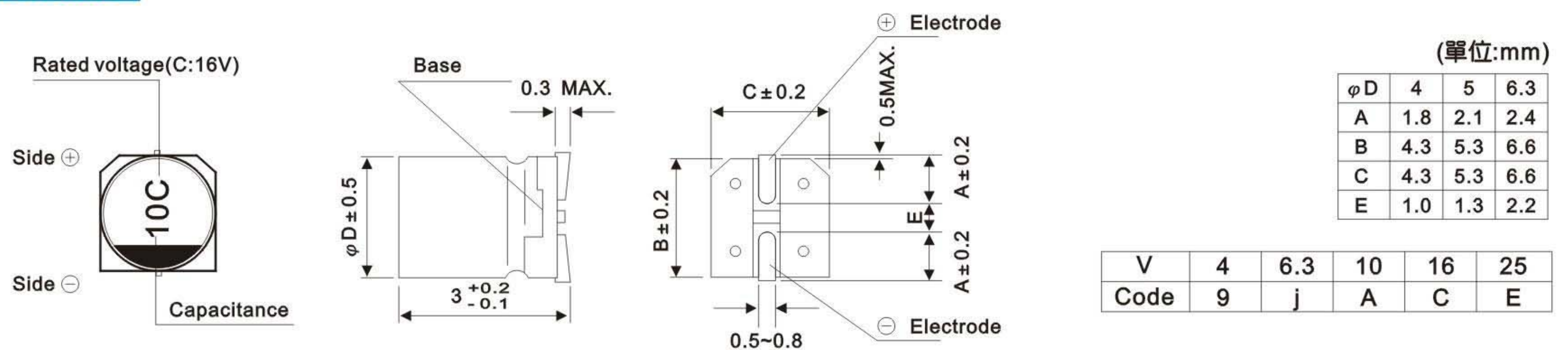
- 105°C stand, case diameter 4~6.3mm
- Reflex soldering is available
- Available for high density mounting



### SPECIFICATIONS

No	Item	Performance Characteristics																		
1	使用溫度範圍 Operating Temperature Range	-40 to +85°C																		
2	定格電壓範圍 Rated voltage Range	4 to 25VDC																		
3	靜電容量許差 Capacitance Tolerance	±20% at 120Hz, 20°C																		
4	靜電容量範圍 Capacitance Range	2.2 to 100µF																		
5	漏電電流 Leakage Current(+20°C,max.)	$I \leq 0.01 CV$ or $3(\mu A)$ After 2minutes, whichever is greater measured With rated working voltage applied																		
6	損失角 Dissipation Factor(tan δ)	<table border="1"> <tr> <th>Working Voltage (VDC)</th> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> </tr> <tr> <th>D.F.(%)</th> <td>Ø4~6.3</td> <td>0.5</td> <td>0.4</td> <td>0.30</td> <td>0.24</td> <td>0.19</td> </tr> </table> (+20°C, at 120Hz)	Working Voltage (VDC)	4	6.3	10	16	25	D.F.(%)	Ø4~6.3	0.5	0.4	0.30	0.24	0.19					
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7	溫度特性 Low Temperature Characteristics (120Hz)	<table border="1"> <tr> <th>Rated voltage (VDC)</th> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> </tr> <tr> <th>Z-25°C /Z+20°C</th> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <th>Z-40°C /Z+20°C</th> <td>15</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> </tr> </table> Impedance ratio max.	Rated voltage (VDC)	4	6.3	10	16	25	Z-25°C /Z+20°C	7	4	3	2	2	Z-40°C /Z+20°C	15	8	8	4	4
Rated voltage (VDC)	4	6.3	10	16	25															
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8	高溫負荷特性 Load Life	After 1000 hours, application of rated voltage at 85°C, capacitors meet the characteristics requirements listed as follows.																		
9	高溫無負荷特性 Shelf Life	Test conditions Duration time :1000Hrs Ambient temperature :+85°C Applied voltage:None After test requirements at +20°C: Same limits as Load life .Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																		

### 外型圖 OUTLINE DRAWING



### 尺寸 DIMENSIONS

(µF)	V	4	6.3	10	16	25
額定靜電容量	品號編碼	0G	0J	1A	1C	1E
2.2	2R2					4 7
3.3	3R3					4 11
4.7	4R7					4 16
5.6	5R6					5 18
6.8	6R8					5 20
10	100				5 23	6.3 27
22	220	4 20	5 28	5 33	6.3 37	
33	330	5 28	5 37	6.3 41		
47	470	5 33	6.3 45			
100	101	6.3 56	6.3 70			

鋁殼 φD (mm) mArms

85°C 120Hz 時的額定紋波電流 (mArms)

### Multiplier for Ripple Current

#### Frequency

Frequency(Hz)	60(50)	120	500	1K	10K≤
Multiplier	0.1~100 µ F	0.8	1.0	1.20	1.30 1.50

#### Temperature

Temperature°C	85	70	50K≤
Multiplier	1.0	1.6	2.0