

# WG Series

- high 7mm, 85°C  
高 7mm, 85°C

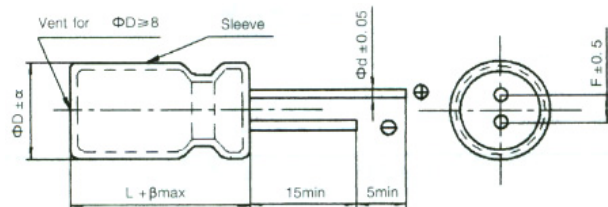
- Suit for use in micro complete sets  
適用於微小型整機

## Specifications

Items 項目	Characteristics 特性							
Operating Temperature Range 使用溫度範圍	-40 to +85°C							
Rated Voltage Range 額定電壓範圍	6.3 to 63VDC							
Capacitance Tolerance 靜電容量容許差	±20%(M) (at 25°C, 120Hz)							
Leakage Current 漏電流	I=0.01CV or 3 μA, whichever is greater (at 25°C, after 2 minutes) Where, I: Leakage current(μA), C: Nominal capacitance (μF), V: Rated voltage(V)							
Dissipation Factor(tan δ) 損失角正切(tan δ)	Rated voltage (V)	6.3	10	16	25	35	50	63
	DF(tan δ)	0.24	0.20	0.16	0.14	0.12	0.10	0.10
(at 25°C, 120Hz)								
Low Temperature Characteristics 低溫特性	Rated voltage (V)	6.3	10	16	25	35	50	63
	Z(-25°C)/(25°C)	4	3	2	2	2	2	2
	Z(-40°C)/(40°C)	10	8	6	4	3	3	3
(at 120Hz)								
Load Life 高溫負荷特性	The following specifications shall be satisfied when the capacitors are restored to 25°C after the rated voltage is applied for 1000 hours at 85°C Capacitance change ≤±20% of the initial value DF(tan δ) ≤200% of the initial specified value Leakage current ≤The initial specified value							
Shelf Life 高溫貯存特性	The following specifications shall be satisfied when the capacitors are restored to 25°C after exposing them for 1000 hours at 85°C without voltage applied Capacitance change ≤±20% of the initial value DF(tan δ) ≤200% of the initial specified value Leakage current ≤The initial specified value							

## Pitch Dimension (mm)

DΦ	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45	0.50	0.50	0.50
α	0.5			
β	1.0			



## Standard Ratings

μF \ V <sub>DC</sub>	6.3		10		16		25		35		50		63	
	μF	V <sub>DC</sub>	μF	V <sub>DC</sub>	μF	V <sub>DC</sub>	μF	V <sub>DC</sub>	μF	V <sub>DC</sub>	μF	V <sub>DC</sub>	μF	V <sub>DC</sub>
0.1											4*7	1.3	4*7	1.3
0.22											4*7	2.9	4*7	2.9
0.33											4*7	3.5	4*7	4.4
0.47											4*7	5.0	4*7	7.9
1											4*7	10	4*7	11
2.2											4*7	15	4*7	47
3.3											4*7	18	4*7	21
4.7											4*7	23	4*7	26
10							4*7	32	4*7	32	5*7	34	5*7	43
22					4*7	39	5*7	43	5*7	47	6*7	57		
33			4*7	43	5*7	49	5*7	53	6*7	64				
47	4*7	47	4*7	53	5*7	59	6*7	71	6*7	83				
100	5*7	71	5*7	80	6*7	97	8*7	85						
220	6*7	95	6*7	110	6*7	107								

↑ ↑  
Ripple current (mA rms/85°C, 120Hz)  
Case size ΦD\*L(mm)