

Jamicon Series : WG

Teapo Series : WG

Low impedance Series



■ Endurance: 105°C 5000hrs

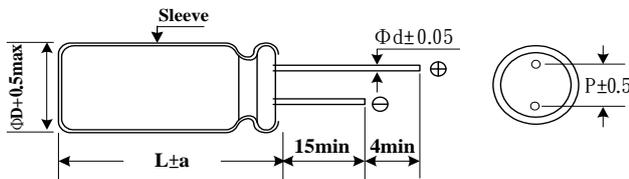
■ Recommended Applications : Apply to the requirement of long life, low impedance, high reliability, etc.

■ Corresponding product to RoHS

**■ SPECIFICATIONS**

Item	Characteristics									
Category Temperature Range	-55~ +105°C									
Rated Voltage Range	10 ~ 100VDC									
Rated Capacitance Range	47~4700 µF									
Capacitance Tolerance	± 20 % (120Hz , 20°C)									
Leakage Current (20°C)	I ≤ 0.01CV (After rated voltage applied for 3 minutes) I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V)									
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	10	16	25	35	50	63	100		
	tan δ	0.12	0.1	0.09	0.08	0.07	0.06	0.06		
Low Temperature Stability Impedance Ratio (MAX)	Z(120Hz)	WV								
		10~16	25~100							
		Z-25°C / Z+20°C	3	2						
		Z-55°C / Z+20°C	6	4						
Endurance	After applying rated voltage with rated ripple current for2000 (≥10 φ 3000) hours at 105°C, the capacitors shall meet the following requirements.									
	Capacitance change	Within ± 20% of initial value								
	D.F. (tan δ)	Not more than 200% of specified value								
	Leakage current	initial specified value or less								
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.									
	Capacitance change	Within ± 20% of initial value								
	D.F. (tan δ)	Not more than 200% of specified value								
	Leakage current	Not more than the specified value								

**■ Dimensions [mm]**



Vent only for 8 φ

φD	8	10	12.5	16	18
P	3.5	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.6	0.8	0.8
a	1.5	1.5	2.0	2.0	2.0

**■ Multiplier for Ripple Current**

Freq. (Hz)	60	120	400	1K	10K	100K
10~16V	0.45	0.60	0.83	0.94	0.98	1.00
26~35V	0.38	0.50	0.75	0.90	0.97	1.00
50~100V	0.36	0.46	0.70	0.88	0.94	1.00

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	Ripple current (A/rms105 $^{\circ}$ C) (100KHz)	Impedance ( $\Omega$ ,20 $^{\circ}$ C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	Ripple current (A/rms105 $^{\circ}$ C) (100KHz)	Impedance ( $\Omega$ ,20 $^{\circ}$ C) (100KHz)
10V (13)	220	8x11	0.36	0.19	35V (44)	220	10x18	0.66	0.161
	330	8x15	0.50	0.152		330	10x25	0.93	0.129
	470	10x16	0.62	0.124		470	12.5x20	1.07	0.105
	680	10x18	0.78	0.098		680	12.5x25	1.42	0.083
	1000	10x20	1.00	0.080		1000	12.5x30	1.87	0.068
	2200	12.5x25	1.61	0.046		2200	16x40	2.83	0.039
	3300	12.5x30	2.00	0.038		50V (63)	47	8x11	0.29
4700	12.5x40	2.50	0.032	68	8x15		0.39	0.352	
16V (20)	100	8x11	0.27	0.348	100		10x16	0.49	0.292
	220	8x15	0.44	0.180	220		10x20	0.80	0.151
	330	10x16	0.57	0.144	330		12.5x20	1.04	0.121
	470	10x18	0.71	0.118	470		12.5x25	1.37	0.099
	680	10x20	0.90	0.093	680		12.5x30	1.79	0.078
	1000	12.5x20	1.16	0.076	1000	12.5x40	2.48	0.064	
	2200	12.5x30	1.89	0.043	63V (79)	47	8x15	0.35	0.424
3300	12.5x40	2.44	0.036	68		10x16	0.43	0.330	
4700	16x40	2.64	0.031	100		10x18	0.55	0.274	
25V (32)	100	8x11	0.34	0.330		220	12.5x20	0.92	0.142
	220	10x16	0.59	0.170		330	12.5x25	1.24	0.113
	330	10x18	0.76	0.136		470	12.5x30	1.61	0.093
	470	10x20	0.95	0.112	680	16x36	2.09	0.073	
	680	12.5x20	1.21	0.088	100V (125)	47	12x25	0.44	0.368
	1000	12.5x25	1.62	0.072		68	12.5x20	0.51	0.286
	2200	12.5x40	2.70	0.041		100	12.5x25	0.68	0.238
3300	16x40	3.04	0.034	220		16x36	1.19	0.123	
35V (44)	68	8x11	0.30	0.374		330	18x40	1.64	0.098
	100	8x15	0.40	0.311					