

**CAZG SERIES:** Radial Micro Miniature Size, 105°C**FEATURES**

- ◆ 105°C, 1000 hours assured.
- ◆ Standard micro miniature size with 5mm height.

**SPECIFICATIONS**

Item	Performance											
Operating Temperature Range	-40° ~ + 105°C											
Capacitance Tolerance	± 20% (120Hz, 20°C)											
Leakage Current (at 20°C)	I = 0.01CV or 0.3 (A) whichever is greater (after 2 minutes) Where, C = rated capacitance in F. V=rated DC working voltage in V.											
Dissipation Factor Tan at 120 Hz,20°C	Rated Voltage	4	6.3	10	16	25	35	50				
	Tan (max)	0.35	0.25	0.20	0.17	0.15	0.13	0.10				
Low Temperature Characteristics (at 120Hz)	Rated Voltage			4	6.3	10	16	25	35	50	Impedance ratio shall not exceed the values given in the table.	
	Impedance Ratio	Z(-25°C)/Z(+20°C)			7	6	4	3	2	2		2
		Z(-40°C)/Z(+20°C)			15	12	8	6	4	4		4
Load Life Test	Test Time	1000 Hrs								The specification shall be satisfied when the capacitors are restored to 20°C after rated voltage applied for 1000hrs at 105°C.		
	Capacitance Change	4 ~ 6.3V		± 30%								
		10 ~ 50V		± 250%								
	Dissipation Factor	Less than 200% of specific value										
	Leakage Current	Within specified values										
Shelf Life Test	Test Time	1000 Hrs								The specification shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hrs at 105°C without voltage applied.		
	Capacitance Change	4 ~ 6.3V		± 30%								
		10 ~ 50V		± 30%								
	Dissipation Factor	Less than 200% of specific value										
	Leakage Current	Within specified values										
Ripple Current & Frequency Multipliers	Freq. (Hz)	60 (50)		120		500		1K		10K up		
	Cap. (F)											
		Under 33	0.75		1.00		1.15		1.34		1.50	
		47 to 220		0.80		1.00		1.08		1.20		
Ripple Current & Temperature Multipliers	Temperature (°C)	Under 70		85		100						
	Multipliers	1.65		1.27		1.00						
Standards	Satisfies Characteristic W of JIS C 5141											

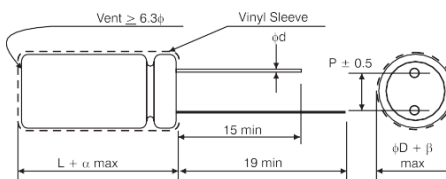
DIMENSIONS & PERMISSABLE RIPPLE CURRENT Dimension: D×L(mm); Ripple Current: mA/RMS at 120Hz 105°C

VDC		4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
uF	Code	D x L	mA	D x L	mA	D x L	mA	D x L	mA	D x L	mA	D x L	mA	D x L	mA
0.10	104													4 x 5	1
0.22	224													4 x 5	2
0.33	334													4 x 5	2.8
0.47	474													4 x 5	4
1	105													4 x 5	7
2.2	225											4 x 5	8.7	4 x 5	10
3.3	335									4 x 5	11	4 x 5	12	4 x 5	13
4.7	475							4 x 5	14	4 x 5	15	4 x 5	17	5 x 5	20
10	106					4 x 5	14	4 x 5	23	5 x 5	27	5 x 5	27	6.3 x 5	31
22	226			4 x 5	21	5 x 5	27	5 x 5	30	6.3 x 5	42	6.3 x 5	46	6.3 x 5	46
33	336	4 x 5	27	5 x 5	30	5 x 5	34	6.3 x 5	40	6.3 x 5	52	6.3 x 5	52		
47	476	4 x 5	34	5 x 5	36	6.3 x 5	43	6.3 x 5	48	6.3 x 5	58				
100	107	5 x 5	50	6.3 x 5	56	6.3 x 5	70								
220	227	6.3 x 5	74												

LEAD SPACING AND DIAMETER

D	3	4	5	6.3
P	1.0	1.5	2.0	2.5
d	0.4	0.45		
	1.0			
	0.50			

Code	Lead Forming Type
O	Bulk
T	5mm Chip tape
A	(Φ4~Φ6.3)2.5mm tape
F	(Φ4~Φ8)5mm tape
P	Φ≥Φ8mm original(vertical)tape
M	5mm Lead forming
C	C Lead forming
B	B Lead forming
D	(Φ4~Φ8)2.5mm Lead forming

**PART NUMBER EXAMPLE**

CAZG 104 M 1H O 040 050