

nichicon

Chip Type, Wide Temperature Range
series

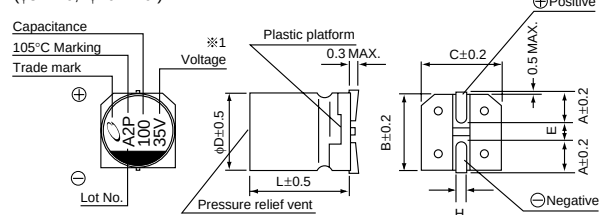


Anti-Solvent

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- Diagram illustrating the WZ-WT-ZT process flow:
- WZ** (High Temperature Reflow) is positioned above the central **WT** box.
 - ZT** (Smaller) is positioned below the central **WT** box.
 - WF** (Low impedance) and **UT** (Long Life) are positioned to the left of the central **WT** box, with arrows pointing left.

[illegible]

Figure 1: Dimensions of the package. The figure shows two views of the package: a top view and a side view. The top view shows a circular package with a diameter of 3 to 8 mm (5.4 mm). It includes markings for capacitance (A2P), 105°C, 16V, and a lot number. The side view shows the package height and dimensions: L (length) with a tolerance of +0.1/-0.3 mm, L+0.3 mm, and a maximum plastic platform height of 0.3 mm. Other dimensions include B±0.2 mm, C±0.2 mm, E mm, H mm, and A±0.2 mm. The package is marked with a positive terminal (+) and a negative terminal (-).



1 2 3 4 5 6 7 8 9 10 11 12 13 14

U W T 1 C 1 0 0 M C L 1 G B

Type

Series name

Rated voltage (16V)

Rated capacitance (10µF)

Capacitance tolerance (±20%)

Configuration

Package code

Size code

φD	code
3 to 8 (5.4L)	GB
6.3 to 10 (L ≥ 5.8)	GS

φD	code
3	2
4 to 10	1

φD	code
3 to 8 (L ≤ 7.7)	CL
8 to 10 (L = 10)	NL

									(mm)
φD × L	3 × 5.4	4 × 5.4	5 × 5.4	6.3 × 5.4	6.3 × 5.8	6.3 × 7.7	8 × 5.4	8 × 10	10 × 10
A	1.5	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2
B	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
C	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
E	0.8	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5
L	5.4	5.4	5.4	5.4	5.8	7.7	5.4	10	10
H	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

CAT.8100C

■Dimensions

Cap. (μF)	V	4		6.3		10		16		25		35		50	
		Code		OG		OJ		1A		1C		1E		1V	
0.1	0R1													4×5.4 (3)	1.0
0.22	R22													4×5.4 (3)	2.6
0.33	R33													4×5.4 (3)	3.2
0.47	R47													4×5.4 (3)	3.8
1	010													4×5.4 (3)	6.3 (5.9)
2.2	2R2											3×5.4	7.5	4×5.4 (3)	11 (9)
3.3	3R3											3×5.4	9	4×5.4	14
4.7	4R7									4×5.4 (3)	13 (10)	4×5.4	15	5×5.4	19
10	100							4×5.4 (3)	18 (14)	5×5.4	23	5×5.4	25	6.3×5.4	30
22	220	4×5.4	22	4×5.4	22	5×5.4	27	5×5.4	30	6.3×5.4	38	6.3×5.4	42	● 8×5.4	51 (45)
33	330	5×5.4	30	5×5.4	30	5×5.4	35	6.3×5.4	40	6.3×5.4	48	● 8×5.4	59 (52)	6.3×7.7	60
47	470	5×5.4	36	5×5.4	36	6.3×5.4	46	6.3×5.4	50	● 8×5.4	66 (59)	6.3×5.8	63	6.3×7.7	63
100	101	6.3×5.4	60	6.3×5.4	60	6.3×5.4	60	6.3×5.4	60	6.3×7.7	91	6.3×7.7	84	8×10	140
150	151	6.3×5.8	86	6.3×5.8	86	6.3×5.8	86	6.3×7.7	95	8×10	140	8×10	155	10×10	180
220	221	● 8×5.4	102 (91)	● 8×5.4	102 (91)	6.3×7.7	105	6.3×7.7	105	8×10	155	8×10	190	10×10	220
330	331	6.3×7.7	105	6.3×7.7	105	8×10	195	8×10	195	8×10	190	10×10	300		
470	471	8×10	210	8×10	210	8×10	210	8×10	230	10×10	300				
680	681	8×10	210	8×10	210	10×10	310	10×10	310						
1000	102	8×10	230	8×10	230	10×10	310								
1500	152	10×10	310	10×10	310									Case size φ D × L (mm)	Rated ripple

Rated ripple current (mArms) at 105°C 120Hz

() is also available with φ3mm upon request. In such a case, [2] will be put at 12th digit of type numbering system.

Size φ6.3×5.8 is available for capacitors marked. "●" In such a case, [6] will be put at 12th digit of type numbering system.

●Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.70	1.00	1.17	1.36	1.50

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UX(p.158), UJ(p.164) series if high C/V products are required.
- Please refer to page 3 for the minimum order quantity.