imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ALUMINUM ELECTROLYTIC CAPACITORS

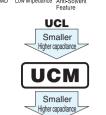
Chip Type, Low Impedance

nichicon





- Chip type, low impedance temperature range up to +105°C.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU).



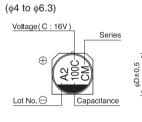
UČV



Specifications

Item	Performance Characteristics													
Category Temperature Range	-55 to +105°C	-55 to +105°C												
Rated Voltage Range	6.3 to 50V	3.3 to 50V												
Rated Capacitance Range	10 to 2200µF	0 to 2200µF												
Capacitance Tolerance	±20% at 120Hz, 2	±20% at 120Hz, 20°C												
Leakage Current	After 2 minutes' a	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV												
	Rated voltage (V)	6.3	6.3 1		16	25			35		50	Measurement frequency : 120Hz at 20°C		
Tangent of loss angle (tan δ)	tan δ (MAX.)	0.26	0.	19	0.16		0.14		0.12		0.10			
	Rated vo	oltage (V)		6.3	10		16	25		35	50	Measurement frequency : 120Hz		
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z-	+20°C	2	2		2	2		2	2			
Stability at Low Temperature		Z-40°C / Z-	+20°C	3	3		3	3	3	3	3			
		Z-55°C / Z+20°C		4	4		4	3		3	3			
	The specifications listed at right shall be met Capacitance chan								nge			the initial capacitance value		
Endurance											han the initial specified value			
	rated voltage is applied for 2000 hours at 105°C. Leakage current Less than or equal to the initial specified value											al to the initial specified value		
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.													
D		The capacitors are kept on a hot plate for 30 seconds, which is												
Resistance to soldering	maintained at 250									nδ	<u> </u>	Less than or equal to the initial specified value		
heat	requirements liste and restored to 20		en the	y are rer	noved fi	rom	the plate	9	Le	akage o	current	Less than or equal to the initial specified value		
Marking	Black print on the case top.													

Chip Type







- L±0.5 Pressure relief vent

¢D±0.5

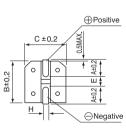
Plastic platform

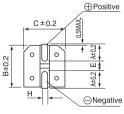
0.3MAX.

L±0.3

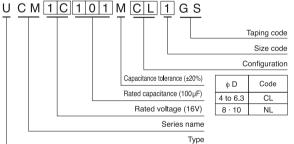
Plastic platform

0.3MAX.





Type numbering system (Example : 16V 100 μ F)



(mm) øD×L 4×5.8 5×5.8 6.3×5.8 6.3×7.7 8×10 10×10 21 24 2.9 3.2 А 1.8 2.4 В 4.3 5.3 6.6 6.6 8.3 10.3 С 4.3 5.3 6.6 6.6 8.3 10.3 Е 1.0 1.3 2.2 2.2 3.1 4.5 L 5.8 5.8 5.8 7.7 10 10 н 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

Voltage						
V	6.3	10	16	25	35	50
Code	j	A	С	E	V	Н

Series

UCM

Dimensions

V Cap. (µF) Code		6.3		10		16			25			35				50			
		0J		1A		1C		1E		1V		1H							
10	100																• 4 × 5.8	2.30	85
10	100		· ·			1 I						I I					5 × 5.8	0.88	165
22	220										4 × 5.8	¦ 1.00	160	4 × 5.8	1.00	160	5 × 5.8	0.88 ¦	165
33	330					 					4 × 5.8	¦ 1.00	160	5 × 5.8	0.36	240		1	I
47	470		I I I I			I I		4 × 5.8	1.00	160	5 × 5.8	¦ 0.36	240	5 × 5.8	0.36	240	6.3 × 5.8	0.68	195
68	680		I I		4 × 5.8	1.00	160	5 × 5.8	0.36	240	5 × 5.8	0.36	240	6.3 × 5.8	0.26	300		1	1
100	101	4 × 5.8	1.00	160		1 1		5 × 5.8	0.36	240	6.3 × 5.8	¦ 0.26	300	6.3 × 5.8	0.26	300	6.3 × 7.7	0.34	350
150	151		1 1		5 × 5.8	0.36	240	6.3 × 5.8	0.26	300	6.3 × 7.7	0.16	600	6.3 × 7.7	0.16	600		1	
220	221	5 × 5.8	0.36	240	6.3 × 5.8	0.26	300	6.3 × 5.8	0.26	300	6.3 × 7.7	0.16	600				8 × 10	0.18	670
330	331	6.3×5.8	0.26	300	6.3 × 7.7	0.16	600	6.3 × 7.7	0.16	600		i		8 × 10	0.08	850	10 × 10	0.12	900
470	471	6.3 × 7.7	0.16	600	6.3 × 7.7	0.16	600		· ·		8 × 10	0.08	850					1	1
560	561								1 I I I			1		10 × 10	0.06	1190		1	
680	681	6.3 × 7.7	0.16	600		I I		8 × 10	0.08	850		1						1	
820	821		I I I I			 					10 × 10	0.06	1190					1	1
1000	102				8 × 10	0.08	850	10 × 10	0.06	1190		1			 			1	1
1500	152	8 × 10	0.08	850	10 × 10	0.06	1190		I I			1			1 I 1 I		Case size	I I Impedance	Rated
2200	222	10 × 10	0.06	1190		1 1			· · ·			1			1 1		φD×L(mm)	Impedance	ripple

MAX. Impedance (Ω) at 20°C 100kHz, Rated ripple current(mArms) at 105°C 100kHz

In this case, 6 will be put at 12th digit of type numbering system.

• Frequency coefficient of rated ripple current

1 7					
Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.35	0.50	0.64	0.83	1.00

• Taping specifications are given in page 23.

• Recommended land size, soldering by refrow are given

in page 18, 19. • Please refer to page 3 for the minimum order quantity.