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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!



Contact us

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ALUMINUM ELECTROLYTIC CAPACITORS

nichicon





Values marked with an % in the dimension table are scheduled to be discontinued and are not recommended for new designs.

Specifications

Item	Performance Characteristics													
Category Temperature Range	-40 to + 85°C													
Rated Voltage Range	4 to 50V													
Rated Capacitance Range	0.1 to 220µF													
Capacitance Tolerance	+20% at 120Hz, 20°C													
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (µA) ,whichever is greater.													
			Measurement frequency : 120Hz at 20°C						;					
Tangent of loss angle (tan $\delta)$	Rated voltage (V)		4	6	6.3	10	0	16	25		35	50		
	tan δ (MAX.)		0.50	0	.30	0.2	24	0.19	0.16	6	0.14	0.14		
	Measurement frequency : 120Hz													
	Rated voltage (V)			4	6.3	i	10	16	1	25	35	50]	
Stability at Low Temperature	Impedance ratio	Z-25°C / Z-	+20°C	7	4		3	2		2	2	2		
	ZT / Z20 (MAX.)	Z-40°C / Z-	+20°C	15	8		8	4		4	3	3]	
	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 bours at 85°C							sitance change Within			in ±20% of the initial capacitance value			
Endurance								ae current Less			s than or equal to the initial specified value			
Shelf Life	After storing the capacitors under no load at 85°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.													
	The capacitors are kept on a hot plate for 30 seconds, which is Capacitance change Within ±10% of the initial capacit:										he initial capacitance value			
Resistance to soldering	maintained at 250°C. The capacitors shall meet the								tan δ			Less than or equal to the initial specified value		
heat	characteristic requirements listed at right when they are removed from the plate and restored to 20°C.							Leakage current			Less th	Less than or equal to the initial specified value		
Marking	Black print on the case top.													

UZT High Temperature

UZS

Smaller

UZR

Chip Type



Dimensions

V		4	4	6.3		10		16		25		35		50	
Сар. (µF)	Code	0	G	0	IJ	1	A	1	С	1	E	1	V	1	Н
0.1	0R1								1					*4	1.0
0.22	R22		1						1					*4	2.0
0.33	R33		1		1		1		 		1		1	*4	2.8
0.47	R47		1		1		1		1		1			*4	4.0
1	010				i I				1		1			4	8.4
2.2	2R2		1		1		1		1		1		1	4	13
3.3	3R3		1		1		1		1		1		1	4	17
4.7	4R7		i i		i		i I		1	4	16	4	18	5	20
10	100		1		l I		1	4	23	5	27	5	29	6.3	33
22	220			4	28	5	33	5	37	6.3	42	6.3	46		
33	330	4	28	5	37	5	41	6.3	49	6.3	52				
47	470	4	33	5	45	6.3	52	6.3	58		1		1		1
100	101	5	56	6.3	70		1		1						
220	221	6.3	96		1		1		1		1		1	Case size	Rated ripple

• Taping specifications are given in page 23.

- · Recommended land size, soldering by reflow are given
- in page 18, 19.

 Please select UUR(p.150), UUG(p.156) if high C/V products are reqired.

Please refer to page 3 for the minimum order quantity.

Rated ripple current (mArms) at 85°C 120Hz

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

