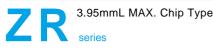
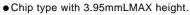
ALUMINUM ELECTROLYTIC CAPACITORS

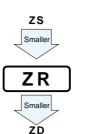
nichicon



	G	in the second se
For SMD	Smaller	Anti-Solv Feature



- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2002/95/EC).





Specifications

Item	Performance Characteristics											
Category Temperature Range	-40 to +85°C											
Rated Voltage Range	4 to 50V	4 to 50V										
Rated Capacitance Range	0.1 to 220µF											
Capacitance Tolerance	±20% at 120Hz	z, 20°C										
Leakage Current	After 2 minutes	application of ra	ated voltage	, leakage cu	irrent is no	t more than 0.	.01 CV or	3 (µA), whic	hever is grea	ter.		
Tangant of loss angle (tan S)	Rated vo	oltage (V)	4	6.3	10	16	25	35	50	120Hz 20℃		
Tangent of loss angle (tan δ)	tan δ ((MAX.)	0.50	0.30	0.24	0.19	0.16	0.14	0.14			
	Rated voltage (V)		4	6.3	10	16	25	35	50	120Hz		
Stability at Low Temperature	Impedance ratio ZT / Z20 (MAX.)	Z–25° C / Z+20°C	7	4	3	2	2	2	2			
Temperature		Z–40° C / Z+20°C	15	8	8	4	4	3	3			
	The specificatio	ons listed at right	shall be me	t when the		Capacitance	change	Within ±309	% of the initial	capacitance value		
Endurance		estored to 20° C	after the ra		300% or less than the initial specified valu							
	applied for 1000	applied for 1000 hours at 85°C. Leakage current Less 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.											
Resistance to	The capacitors are kept on a hot plate for 30 seconds, which is maintained at Capacitance change Within ±10% of the initial capacita											
soldering heat	250° C. The cap	pacitors shall me	et the chara	tan δ Less than or equal to the initi								
	when they are r	emoved from the	e plate and i	Leakage	ge current Less than or equal to the initial specified value							
Marking	Black print on th	ne case top.										

Chip Type

Type numbering system (Example : 16V 10µF) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 Voltage (C : 16V) Plastic platform -0.5 MAX U Z R 1 C 1 0 0 M C L 1 G B Series 0.3 MAX C±0.2 Lot No Taping code A±0.3 0 Configuration 0 ¢D±0.5 B±0.2 (mm) ш φD A 456.31.82.12.4 Capacitance tolerance (±20%) A±0.3 0 0 H 1.0 2.1 2.4 B 4.3 5.3 6.6 C 4.3 5.3 6.6 E 1.0 1.3 2.2 Rated capacitance (10µF) 3.90 +0.05 Capacitance Rated voltage (16V) O Negative 0.5 to 0.8 Voltage Series name 6.3 10 V 4 16 25 35 50 Туре Code g А С Е V Н

Dimensions

0	5	5	3	5	2	6	1	0	1	.3	6.	4	4	V	
н	1	V	1	E	1	С	1(4	1/	J	0	G	0	Code	Cap. (µF)
1.0	4													0R1	0.1
2.0	4											l		R22	0.22
2.8	4											1		R33	0.33
4.0	4								-					R47	0.47
8.4	4								-					010	1
13	4													2R2	2.2
17	4								-					3R3	3.3
20	5	18	4	16	4									4R7	4.7
33	6.3	29	5	27	5	23	4		-					100	10
		46	6.3	42	6.3	37	5	33	5	28	4	1		220	22
				52	6.3	49	6.3	41	5	37	5	28	4	330	33
						58	6.3	52	6.3	45	5	33	4	470	47
		1								70	6.3	56	5	101	100
Rated ripple	Case size											96	6.3	221	220

• 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 refer to page 3 for the minimum order quantity.

CAT.8100B