

# Surface Mount Aluminum Electrolytic

# CA Series

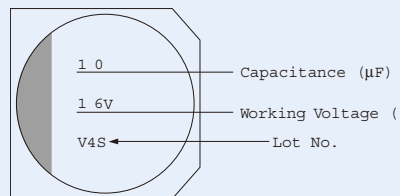


## FEATURE

For General Purposes Series with 85°C 2000 Hours

Suitable for AV (TV, Video, Audio), Personal Computer, Home Appliance

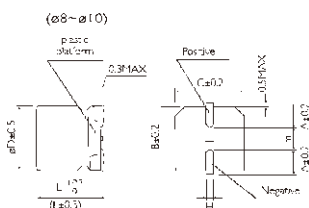
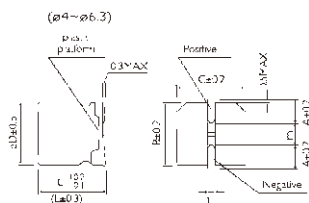
## MARKING



**RoHS**  
COMPLIANT

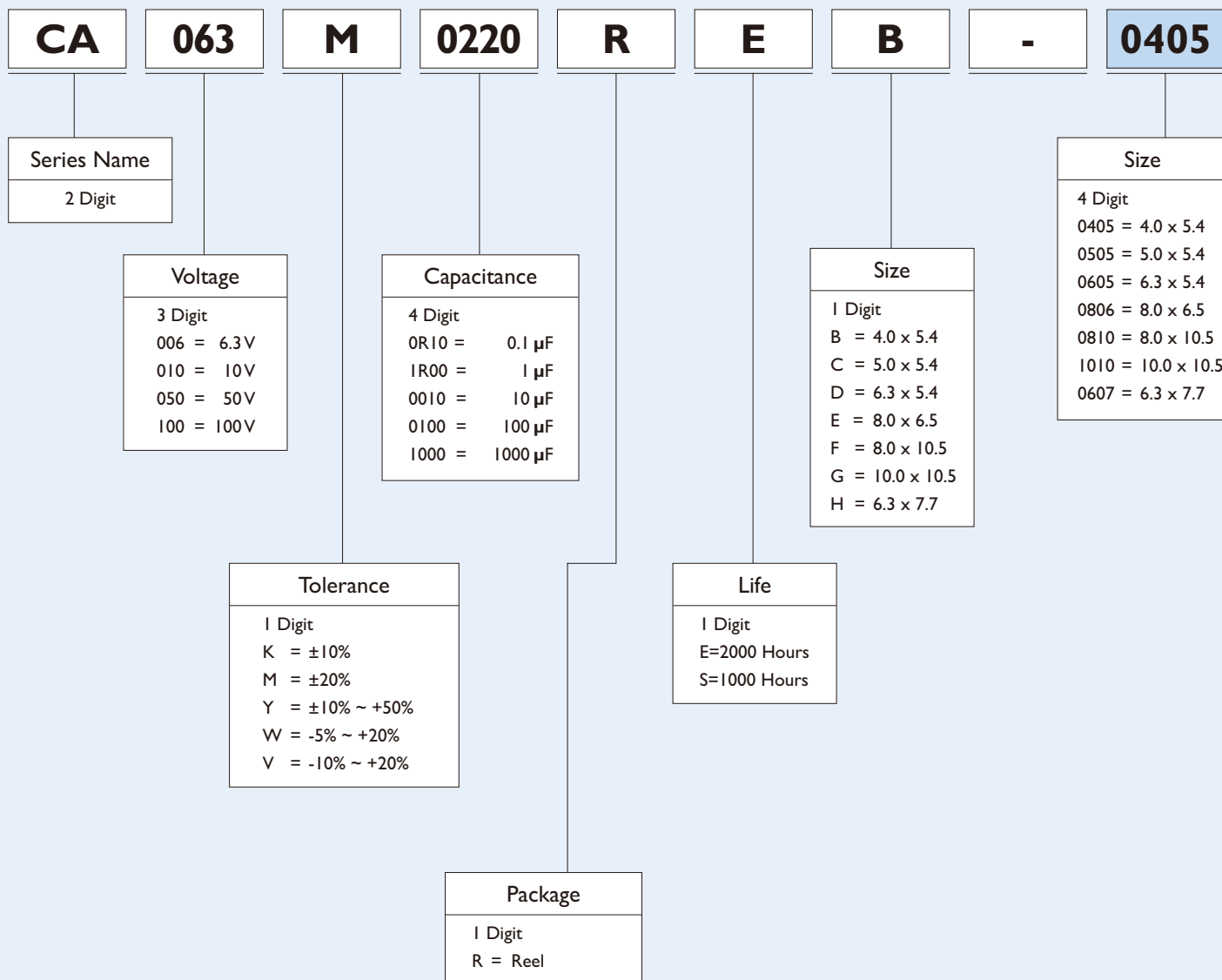
Unit : mm

## DIMENSIONS



SIZE CODE	Dø	L	A	H	I	W	P	K
B	4.0	5.4	4.3	5.5 Max.	1.8	0.65 ± 0.1	1.0	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
C	5.0	5.4	5.3	6.5 Max.	2.2	0.65 ± 0.1	1.5	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
D	6.3	5.4	6.6	7.8 Max.	2.6	0.65 ± 0.1	2.2	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
E	8.0	6.5	8.3	9.4 Max.	3.4	0.65 ± 0.1	2.2	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
F	8.0	10.5	8.3	10.0 Max.	3.4	0.90 ± 0.2	3.1	0.70 ± 0.20
G	10.0	10.5	10.3	12.0 Max.	3.5	0.90 ± 0.2	4.6	0.70 ± 0.20
H	6.3	7.7	6.6	0.8 Max.	2.6	0.65 ± 0.1	2.2	0.35 <sup>+0.15</sup> <sub>-0.20</sub>

## SMD TYPE ORDERING CODE



## SPECIFICATION

ITEM	CHARACTERISTIC										
Operation Temperature Range	-40 to +85°C										
Rated Working Voltage Range	4 to 100V.DC										
Rated Capacitance	Range = 0.1 ~ 1500μF										
Capacitance Tolerance	±20% (120Hz / +25°C)										
Leakage Current (25°C)	Polarized : I ≤ 0.01CV or 3 (μA) Whichever is greater after 2 minutes application of DC rated working voltage at 25°C. I : Leakage Current (μA)    C : Rated Capacitance (μF)    V : Working Voltage (V)										
Dissipation Factor (tanδ) (120Hz / +25°C)	Polarized ( ) : D.F of Downsized										
	WV (V)	4	6.3	10	16	25	35	50	63	100	
	D.F	40	35	26	20	16	14	14	18	18	
Low Temperature Stability	Impedance Ratio at 120. Hz										
	WV (V)	4	6.3	10	16	25	35	50	63	100	
	Z(-25°C)	<ø8	7	4	3	2	2	2	2	3	3
	/Z(+20°C)	≥ø8	7	5	4	3	2	2	2	3	3
	Z(-40°C)	<ø8	15	8	8	4	4	3	3	4	4
	/Z(+20°C)	≥ø8	15	10	8	6	4	3	3	4	4
Shelf Life	At +85°C no voltage application after 1000 hours and then through the aging treatment, the capacitor shall meet limits for load life characteristics.										

## CASE SIZE & MAX RIPPLE CURRENT

μF	Polarized										Max. Ripple Current (mA) r.m.s. (120Hz / +85°C)	
	4	6.3	10	16	25	35	50	63	100			
0.1							4 x 5.4	1.0	4 x 5.4	1.0		
0.22							4 x 5.4	2.0	4 x 5.4	2.3		
0.33							4 x 5.4	2.8	4 x 5.4	3.5		
0.47							4 x 5.4	4.0	4 x 5.4	5.0		
1.0							4 x 5.4	8.4	4 x 5.4	10		
2.2							4 x 5.4	13	4 x 5.4	15		
3.3							4 x 5.4	16	4 x 5.4	20	6.3 x 7.7	28
											8 x 6.2	50
4.7				4 x 5	23	4 x 5.4	16	4 x 5.4	18	4 x 5.4	18	
										4 x 5.4	23	6.3 x 7.7
											8 x 10.5	80
10				4 x 5.4	23	5 x 5.4	21	4 x 5.4	24	5 x 5.4	30	
											6.3 x 5.4	34
											8 x 6.2	35
											6.3 x 7.7	50
											8 x 10.5	85
22			4 x 5.4	28	4 x 5.4	38	5 x 5.4	38	5 x 5.4	39		
		4 x 5.4	28	5 x 5.4	33	5 x 5.4	37	6.3 x 5.4	55		6.3 x 5.4	43
											8 x 6.2	120
											8 x 10.5	110
											8 x 10.5	40
											10 x 10.5	85
33		4 x 5.4	28	4 x 5.4	29	5 x 5.4	35	5 x 5.4	46			
	4 x 5.4	28	5 x 5.4	29	5 x 5.4	41	6.3 x 5.4	49	6.3 x 5.4	52	6.3 x 5.4	53
										8 x 6.2	130	6.3 x 7.7
											8 x 6.2	65
											6.3 x 7.7	90
47		4 x 5.4	33	4 x 5.4	40	5 x 5.4	43	5 x 5.4	39			
	4 x 5.4	33	5 x 5.4	45	6.3 x 5.4	43	6.3 x 5.4	58	6.3 x 5.4	60	6.3 x 7.7	70
										8 x 6.2	165	8 x 10.5
											10 x 10.5	130
56		5 x 5.4	42	5 x 5.4	46	5 x 5.4	50	5 x 5.4	57			
	5 x 5.4	42	6.3 x 5.4	52	6.3 x 5.4	57	6.3 x 5.4	63	6.3 x 7.7	65	6.3 x 7.7	80
										8 x 10.5	180	6.3 x 7.7
										8 x 10.5	140	120
										8 x 10.5	140	8 x 10.5
										10 x 10.5	210	8 x 10.5
											10 x 10.5	280
											10 x 10.5	60
150		6.3 x 5.4	79	6.3 x 5.4	71	6.3 x 7.7	76	6.3 x 7.7	135	8 x 10.5	192	8 x 10.5
										8 x 10.5	140	214
220		6.3 x 5.4	96	6.3 x 7.7	95	6.3 x 7.7	150	8 x 10.5	215	10 x 10.5	250	10 x 10.5
											250	246
											10 x 10.5	265
											10 x 10.5	289
330		6.3 x 7.7	152	6.3 x 7.7	150	8 x 10.5	240	8 x 10.5	320	10 x 10.5	340	10 x 10.5
										10 x 10.5	380	324
											8 x 10.5	307
470		6.3 x 7.7	200	8 x 10.5	265	8 x 10.5	290			10 x 10.5	393	
											400	
680		8 x 10.5	284	8 x 10.5	318	10 x 10.5	374	10 x 10.5	396			
1000												
		8 x 0.5	344									
1500		10 x 10.5	347	10 x 10.5	489							