Hongda Capacitors®
Email: sales@hongdacap.com.hk Web: www.hongdacap.com.hk
Skype: Hongdacapacitors Tel: +86 (0)769 82207248

RMZ Series, Radial Aluminum Electrolytic Capacitors, Long Life Assurance,High Ripple Current

◎Load life 5000 hours at 105℃.

◎Used in electronic ballast, switch, power supply, industrial measuring instruments, automotive etc.

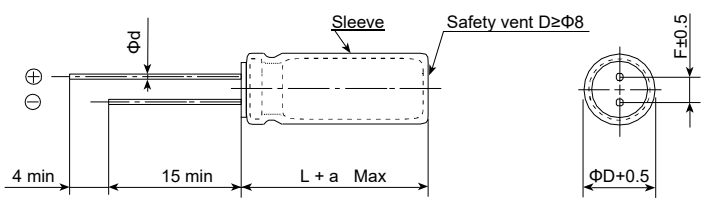
How to order

RMZ	338	M	016	01250250	050	B	000	-
↓	↓	↓	↓	↓	↓	↓	↓	↓
Type	**Capacitance code**	**Tolerance**	**Rated Voltage**	**Size Code**	**Pitch**	**Package**	**Lead Length**	**Additional characters maybe added for special requirements**
RMZ RFZ RGR RGL RB2 RM2	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 476 = 47uF 107 = 100uF 108 = 1000uF 338 = 3300uF	M: -20%~+20%	Code 016: 16VDC For DC Voltage 006: 6.3VDC 016: 16VDC 035: 35VDC 200: 200VDC 400: 400VDC 450: 450VDC	Code 01250250: Size 12.5*25mm 00630110: Size 6.3*11mm 01000160: Size 10*16mm 01000200: Size 10*20mm 01300200: Size 13*20mm 01600250: Size 16*25mm 02200250: Size 22*25mm	Axial: 000 2.0: 020 2.5: 025 3.5: 035 5.0: 050 7.5: 075 10.0:100	B: BULK T: AMMO TAPED	Standard: 000 Cut Lead Length: 3.0mm：030 3.5mm: 035 4.0mm: 040 4.5mm：045 5.0mm：050	

Specifications

Item	Characteristics						
Operating temperature range	-40℃~+105℃		-25℃~+105℃				
Rated voltage range	160-400V		450V				
Nominal capacitance range	1μF~220μF						
Capacitance tolerance	±20% (120Hz·20℃)						
leakage current(20℃)	I≤0.02CV +25μA(whichever is greater) after 2minute						
	I：Leakage current C：Norminal capacitance V： Rated voltage						
Dissipation factor (120Hz·20℃)	Rated voltage(V)	160	200	250	350	400	450
	tgδ(MAX)	0.15	0.15	0.15	0.20	0.20	0.20
Surge Voltage	WV	160	200	250	350	400	450
	SV	200	250	300	400	450	500
Low temperature characteristics (Impedance ratio max. at 120Hz)	Z—25℃/Z+20℃	3	3	3	5	5	6
Load Life	After applying rated voltage for 5000 hours at 105℃ then resumed 16 hours:						
	Capacitance change	Within ±20% of the initial measured value					
	tgδ	≤200% of the initial specified value					
	Leakage current	≤initial specified value					
Shelf Life	After storage for 1000 hours at 105℃ then resumed 16 hours:						
	Capacitance change	Within ±20% of the initial measured value					
	tgδ	≤200% of the initial specified value					
	Leakage current	≤initial specified value					

Diagram of Dimensions(mm)



φD	8	10	13	16	18
F±0.5	3.5	5.0	5.0	7.5	7.5
φd±0.05	0.5	0.6	0.6	0.8	0.8
α	(L<20) 1.5 (L≥20) 2.0				

Multiplier for Ripple Current vs. Frequency:

CAP(uF)\Hz	120	1K	10K	≥10K
1-5.6	0.2	0.4	0.80	1.00
6.8-180	0.4	0.75	0.90	1.00
≥220	0.5	0.85	0.94	1.00

Multiplier for Ripple Current vs. Temperature:

Temperature℃	~55	70	85	105
Factor	2.23	2.00	1.75	1.00

Standard Ratings

Voltage (Code)		160V (160)		200V (200)		250V (250)		350V (350)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
4.7	475					8 x 12	160	10 x 12.5	150
5.6	565							10 x 12.5	180
6.8	685			8 x 12	204	10 x 12.5	250	10 x 16	280
10	106	10 x 16	320	10 x 16	320	10 x 16	320	10 x 20	350
22	226	10 x 20	500	10 x 20	500	10 x 20	500	12.5 x 20	650
33	336	10 x 20	650	10 x 20	650	12.5 x 20	800	16 x 20	900
						16 x 25	1200		
47	476	10 x 20	750	13 x 20	875	12.5 x 20	980	16 x 20	1080
68	686	12.5 x 20	1180	12.5 x 25	1300	16 x 20	1300	18 x 25	1470
		10 x 16	375	16 x 20	1300				
82	826			16 x 20	1380	16 x 20	1380	18 x 25	1530
100	107	12.5 x 25	1420						
		16 x 20	1420	16 x 20	1420	16 x 25	1530		
150	157	16 x 25	1890	16 x 25	1890	18 x 25	1940		
220	227	16 x 26	1210	18 x 30	2648				
		18 x 25	2370						
330	337	18 x 32	2160						

Voltage (Code)		400V (400)		450V (450)		500V (500)			
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current		
1	105	8 x 12	60						
1.5	155	8 x 12	90						
		10 x 12.5	100						
1.8	185	8 x 12	95						
		10 x 12.5	120						
2.2	225	8 x 12	95	8 x 12	105				
		10 x 12.5	140						
3.3	335	10 x 12.5	150						
4.7	475	10 x 16	220	10 x 20	220				
5.6	565	10 x 16	250	10 x 20	250				
6.8	685	10 x 16	112	10 x 20	280				
10	106	10 x 20	149	12.5 x 20	450				
15	156	12.5 x 20	550	12.5 x 25	600				
22	226	13 x 20	240	16 x 20	730	16 x 25	1060		
33	336	16 x 20	900	16 x 25	980				
		16 x 25	900						
47	476	16 x 25	1180	18 x 25	1200				
		18 x 20	1180	22 x 25	1100				
68	686	18 x 25	1470						
100	107			18 x 35	2088				
120	127			18 x 40	2325				

Maximum Allowable Ripple Current (mArms) at 105˚C 100kHz Case Size ΦD x L (mm)

Special item with higher ripple current.