

DMA SERIES

Load Life: 60°C 1000 hours

DMB SERIES

Load Life: 70°C 1000 hours

◆FEATURES

- RoHS compliance.



◆SPECIFICATIONS

Items	DMA	DMB
Category Temperature Range	-25~+60°C	-25~+70°C
Rated Voltage Range	2.5Vdc	
Capacitance Tolerance	±20% (20°C)	
Characteristics at High and low Temperatures	Capacitance Change	ΔC/C (+20°C) ≤30%
	ESR	Max, 4 times of value at 20°C(at -25°C)
Endurance	After 1000 hours with rated voltage at 60°C(DMA) or 70°C(DMB), the capacitors shall meet the following requirements.	
	Capacitance Change	ΔC/C (initial) ≤30%
	ESR	Max, 3 times of the specification
Storage at High emperature	After 1000 hours without load at 60°C(DMA) or 70°C(DMB), the capacitors shall meet the same requiremnts specifiied for endurance.	

◆PART NUMBER

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 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

Lead Forming : Please refer to aluminum electrolytic capacitors section.

◆DIMENSIONS

(mm)

Technical drawing of a Rubycon DMA/DMB capacitor. The side view shows a cylindrical body with a PET sleeve, a central lead of diameter ϕd , and a mounting tab. Dimensions include a total length of $L+2.0 \text{ MAX}$, a lead length of 15 MIN , and a tab length of 4 MIN . The end view shows a circular body with diameter $\phi D + 0.5 \text{ MAX}$ and a central hole of diameter $F \pm 0.5$. A table of specifications is provided for various body diameters.

ϕD	8	10	12.5	16	18	20	22
ϕd	0.6	0.6	0.6	0.8	0.8	1.0	1.0
F	3.5	5.0	5.0	7.5	7.5	10.0	10.0

◆STANDARD SIZE

□:Tolerance (M:±20) **Lead Forming

Series	Rated Voltage(Vdc)	Capacitance(F)	ESR (Ω/20°C, 1kHz)	φD x L (mm)	Part No.
DMA	2.5	50	0.1	18×35.5	2.5DMA50□**18×35.5
		60		18×40	2.5DMA60□**18×40
		100		20×55	2.5DMA100□**20×55
		190		22×65	2.5DMA190□**22×65
DMB	2.5	2.2	1	8×16	2.5DMB2R2□**8×16
		3.3		8×20	2.5DMB3R3□**8×20
		4.7		10×20	2.5DMB4R7□**10×20
		10	0.2	10×35	2.5DMB10□**10×35
		12.5		12.5×25	2.5DMB10□**12.5×25
		15		12.5×30	2.5DMB15□**12.5×30
		22	0.1	16×25	2.5DMB22□**16×25
		30		16×31.5	2.5DMB30□**16×31.5
		50		18×40	2.5DMB50□**18×40
		70		20×45	2.5DMB70□**20×45
		100		20×55	2.5DMB100□**20×55
		150		22×65	2.5DMB150□**22×65