Aluminum Electrolytic Capacitors

YUSCON®

RM Series

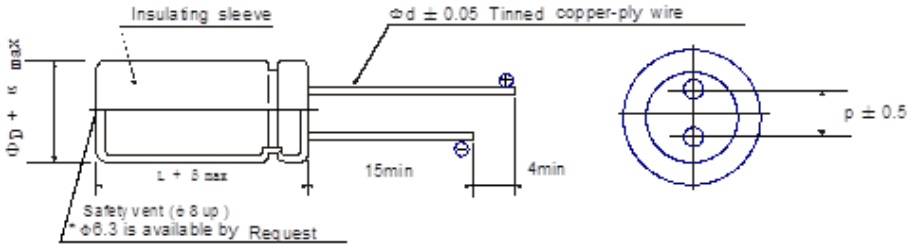
- Super miniature series with 7mm height
- High performance and excellent temperature Characteristics
- Wide operating temperature range of -40 ~ +105℃
- Rohs compliance.

■ SPECIFICATIONS

Item	Characteristics
Operating Temperature Range	- 40 ~ +105℃
Voltage Range	6.3 ~50 V.DC
Nominal Cap. Range	0.1 ~ 220 μF
Capacitance Tolerance	- 20% ~ + 20% (at 20℃, 120Hz)
Leakage Current	I = 0.01CV or 3(μA) whichever is greater.(after 2 minutes) where,I: Max Leakage Current(μA), C: Nominal Capacitance(μF), V: Rated Voltage(V) (at 20℃)
Dissipation Factor(tanδ) (at 120Hz, +20℃)	WV 6.3 10 16 25 35 50 tan δ 0.24 0.20 0.16 0.14 0.12 0.10
Low Temp. Impedance Stability at 120Hz	W. V. 6.3 10 16 25 35 50 Z(-25℃)/Z(+20℃) 4 3 2 2 2 2 Z(-40℃)/Z(+20℃) 8 6 4 4 3 3
High Temp. Load Test	After 1000 hours, application of DC rated working voltage at +105℃, the capacitor shall meet the following limits. Capacitance change . . . ≦ ±25% of the initial measured value tan δ . . . ≦ 200% of the initial specified value DC leakage current . . . ≦ the initial specified value
High Temp. Non-Load Test	After storage for 500 hours at 105℃ with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High temperature loading" can be met.

Note : Some cleaning solvents may adversely affect the capacitors. Consult us about the suitable type of cleaning solvents to be used.

●DRAWING



Unit:(mm)

ΦD	4	5	6.3	8
P	1.5	2	2.5	3.5
Φd	0.45			0.5
β	1.0			
α	0.5			

▼ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Freq.(Hz) / Cap(μF)	60(50)	120	500	1K	10K
0.1～47	0.80	1.0	1.30	1.45	1.50
100～220	0.80	1.0	1.25	1.35	1.40

◆ PART NUMBERING SYSTEM

RM	□□□	□	□□□	□	□□
Series	Rated Cap.	Cap. Tolerance	Rated Voltage	Case Size D	Case Size L

RM Series

■STANDARD RATINGS

WV(Vdc) / Parameter / Cap (μF)	6.3		10		16		25		35		50	
	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)
0.1											4X7	1
0.22											4X7	2
0.33											4X7	3
0.47											4X7	5
1											4X7	10
2.2											4X7	15
3.3											4X7	18
4.7							4X7	18	4X7	20	5X7	23
10					4X7	25	5X7	28	5X7	30	6.3X7	35
22	4X7	29	5X7	35	5X7	39	6.3X7	51	6.3X7	57	6.3X7	53
33	5X7	38	5X7	43	6.3X7	57	6.3X7	63	6.3X7	71	8X7	62
47	5X7	46	4X7 5X7 6.3X7	40 48 59	6.3X7	68	6.3X7	71	8X7	80		
100	6.3X7	71	6.3X7	80	6.3X7	85	8X7	95				
220	6.3X7	85	8X7	115								

→ Rated Ripple Current (mArms) at 105℃ 120Hz

→ Case Size: ΦDxL (mm)