

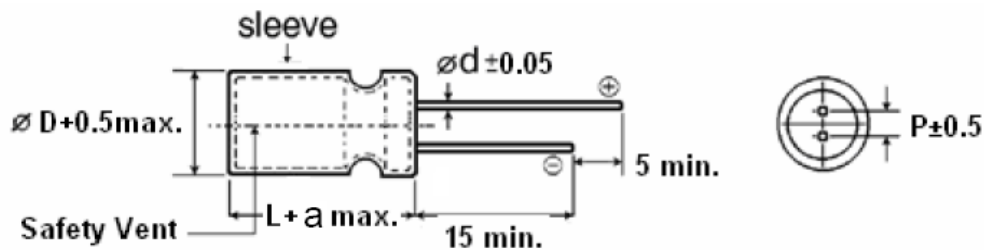
Low Profile Electrolytic Capacitors-5mm Height

Features

- Lifetime: 1000 hours at 85°C
- Low profile
- Ultra miniature, 5mm height
- RoHS compliant



Dimensions (in mm)



ϕD	4	5	6.3
P	1.5	2	2.5
ϕd	0.45	0.45	0.45
a	1.0	1.0	1.0

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TE5 Series

Specification

Description		Value							Conditions
Capacitance Tolerance		M: $\pm 20\%$							at 120Hz, 20 °C
Rated Voltage Range (WV)		4 ~ 50 VDC							
Working Voltage Range (WV)		4	6.3	10	16	25	35	50	
Surge Voltage (V)		5	8	13	20	32	44	63	
Max. Dissipation Factor (tan δ)		0.35	0.24	0.20	0.16	0.14	0.12	0.10	at 120Hz, 20 °C
Max. Low Temperature Stability Impedance Ratio	Z(-25°C)/ Z(+20°C)	6	4	3	2	2	2	2	at 120Hz
	Z(-40°C)/ Z(+20°C)	12	8	6	4	4	4	4	
Rated Capacitance Range (C)		0.1 ~ 220 μ F							
Operation Temperature Range(TOP)		-40 ~ +85 °C							
Max. Leakage Current at 20°C		≤ 0.01 CV or 3 μ A, whichever is greater							After applying rated voltage for 2 minutes
Endurance	Capacitance Change	Within $\pm 20\%$ of the initial value							After applying rated voltage and ripple current for 1000 hours at 85°C
	Dissipation Factor	Not more than 200% of the specified value							
	Leakage Current	Not more than the specified value							
Shelf Life		Shall meet the same requirement as Endurance							After placing at 85°C without applying voltage for 500 hours

Multiplier for Ripple Current Frequency coefficient

Frequency (Hz) WV (VDC)	50	120	1K	10K
4~16	0.8	1.0	1.1	1.2
25~50	0.8	1.0	1.5	1.7

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Case Size (mm) / Rated Ripple Current (mA)

C(μF)	Rated (Surge) Voltage													
	4(5)		6.3(8)		10(13)		16(20)		25(32)		35(44)		50(63)	
	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple
0.1													4x5	1
0.22													4x5	2
0.33													4x5	3
0.47													4x5	5
1													4x5	10
2.2													4x5	15
3.3													4x5	20
4.7							4x5	10	4x5	15	4x5	20	5x5	25
10			4x5	20	4x5	20	4x5	25	4x5	30	5x5	35	6.3x5	40
22	4x5	25	4x5	30	5x5	30	5x5	35	5x5	40	6.3x5	55	6.3x5	60
33	4x5	30	5x5	35	5x5	40	5x5	45	6.3x5	60				
47	5x5	35	5x5	40	6.3x5	50	6.3x5	60						
100	6.3x5	60	6.3x5	70	6.3x5	75	6.3x5	95						
220	6.3x5	80	6.3x5	95										

Note: Ripple Current: mA(RMS)/120Hz,85°C

ΦDxL = 4x5, Diameter x Length code = BA

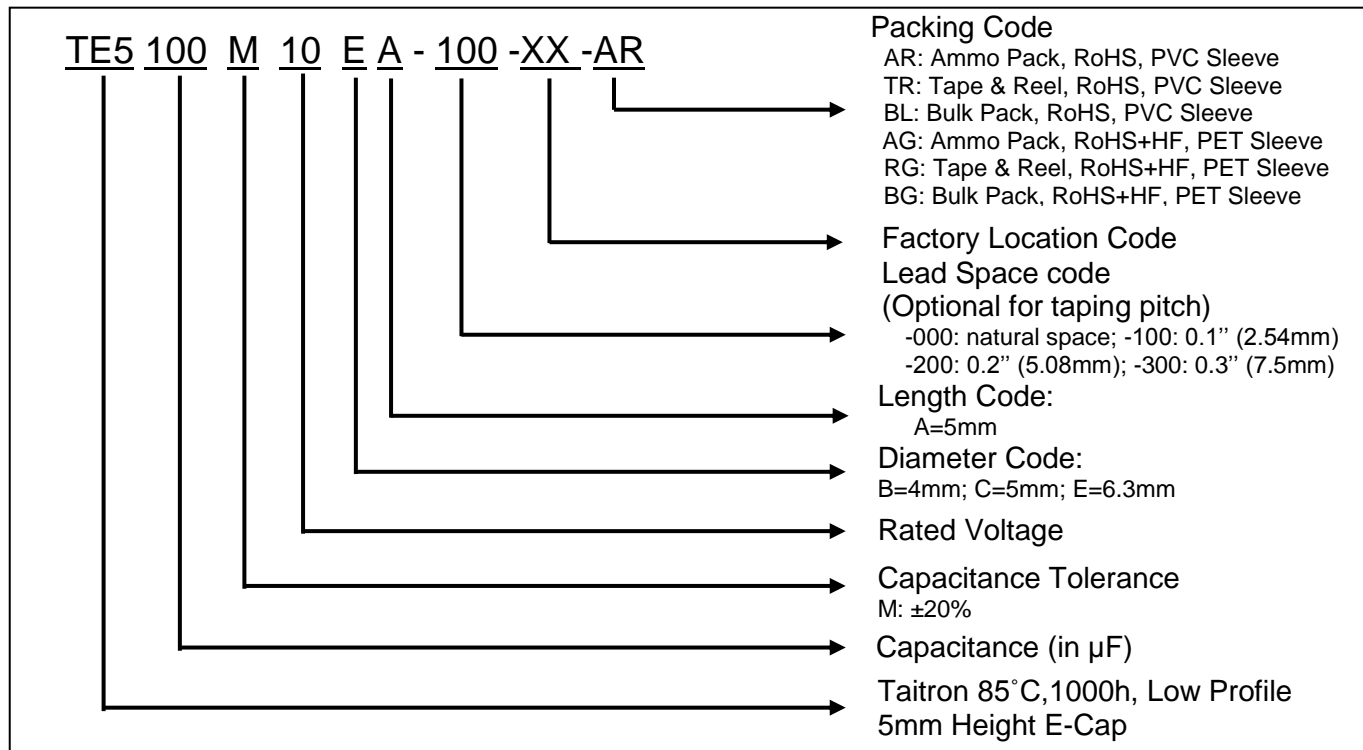
ΦDxL = 5x5, Diameter x Length code = CA

ΦDxL = 6.3x5, Diameter x Length code = EA

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TE5 Series

How to Order:



How to contact us

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