

Chip Type 85 Capacitors (height:5.5mm, 8.0mm)

- Compatible with surface mounting for 5.5mm, 8.0mm high capacitors.
- Supplied with carrier taping.
- Guarantees 2000 hours at 85 .



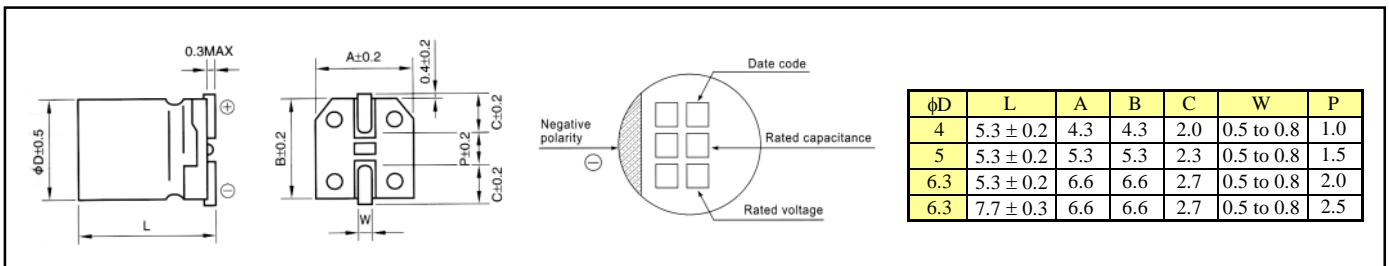
SPECIFICATIONS

Marking color : Black print

Item	Performance							
Category temperature range ()	-40~+85							
Tolerance at rated capacitance (%)	±20 (20 , 120Hz)							
Leakage current (μA)	Less than 0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20)							
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10	16	25	35	50	
	tan δ (max.)	0.42	0.32	0.26	0.18	0.14	0.12	
Characteristics at high and low temperature	Rated voltage (V)	6.3	10	16	25	35	50	
	Impedance ratio (max.)	Z-25 /Z+20	4	3	2	2	2	2
		Z-40 /Z+20	8	8	5	5	4	4
Endurance (85) (Applied ripple current)	Test time	2000 hours						
	Leakage current	The initial specified value or less						
	Percentage of capacitance change	Within ±30% of initial value						
	Tangent of the loss angle	300% or less of the initial specified value						
Shelf life (85)	Test time : 1000 hours; other items are the same as those for the endurance. Voltage application treatment : According to JIS C5101-1							
Coefficient of Frequency for Rated Ripple Current	Frequency (Hz)	50	120	1k	10k-100k			
	Rated voltage (V)							
	6.3 to 16	0.80	1	1.15	1.25			
	25 to 35	0.80	1	1.25	1.40			
	50	0.70	1	1.35	1.50			
Applicable standards	JIS C5101-1, -18 1998 (IEC 60384-1 1992, -18 1993)							

OUTLINE DRAWING

Unit : mm



STANDARD RATINGS

Rated voltage (V)	6.3			10			16			25			35			50		
	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current
	ϕD (mm)	Ω	mArms	ϕD (mm)	Ω	mArms	ϕD (mm)	Ω	mArms	ϕD (mm)	Ω	mArms	ϕD (mm)	Ω	mArms	ϕD (mm)	Ω	mArms
4.7																4x5.3	42	20
10										4x5.3	30	23	4x5.3	23	27	5x5.3	20	34
22				4x5.3	24	26	4x5.3	20	30	5x5.3	14	43	5x5.3	11	47	6.3x5.3	9.0	59
33	4x5.3	21	28	4x5.3	16	33	5x5.3	13	44	5x5.3	9.0	54	6.3x5.3	7.0	67	6.3x7.7	6.0	82
47	4x5.3	15	34	5x5.3	11	45	5x5.3	9.2	50	6.3x5.3	6.4	75	6.3x5.3	4.9	90	6.3x7.7	4.2	98
68	5x5.3	10	47	5x5.3	7.8	54	6.3x5.3	6.3	74	6.3x5.3	4.4	90	6.3x7.7	3.4	109			
100	5x5.3	7.0	58				6.3x5.3	6.3	103	6.3x7.7	3.0	124						
150	6.3x5.3	4.6	83	6.3x7.7	3.5	98	6.3x7.7	2.9	109									
220	6.3x5.3	3.2	100	6.3x7.7	2.4	130	6.3x7.7	2.0	144									
330	6.3x7.7	2.1	139															

(Note) Rated ripple current : 85 , 120Hz ; ESR : 20 , 120Hz

NOTE

Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.