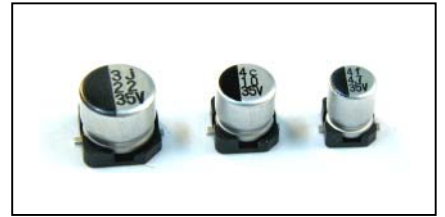


Chip Type 105 Capacitors (height:5.5mm)

- Compatible with surface mounting for 5.5mm high capacitors.
- Supplied with carrier taping.
- Guarantees 1000 hours at 105



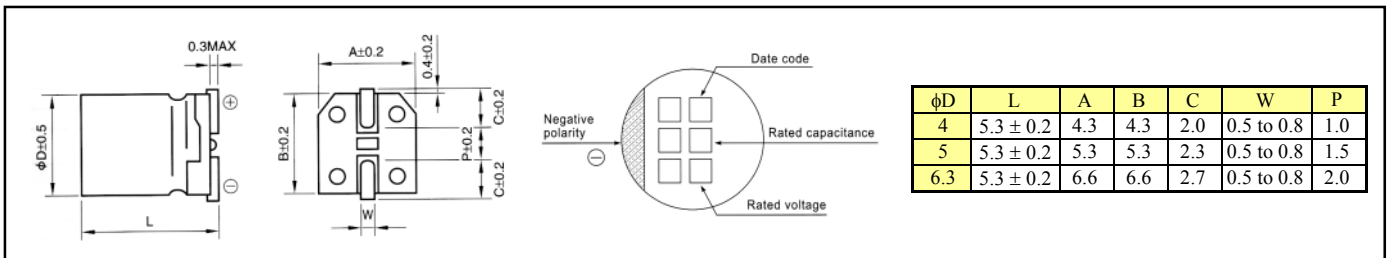
Marking color : Black print

SPECIFICATIONS

Item	Performance							
Category temperature range ()	-55~+105							
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.)	0.30	0.26	0.22	0.16	0.13	0.12	
Characteristics at high and low temperature	Rated voltage (V)	6.3	10	16	25	35	50	
	Impedance ratio (max.)	Z25 /Z+20	4	3	2	2	2	2
		Z40 /Z+20	8	5	4	3	3	3
Endurance (105) (Applied ripple current)	Test time	1000 hours						
	Leakage current	The initial specified value or less						
	Percentage of capacitance change	Within ±20% of initial value						
	Tangent of the loss angle	200% or less of the initial specified value						
Shelf life (105)	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	0.80	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
Rated capacitance (μF)	φD (mm)	Ω	mArms	φD (mm)	Ω	mArms	φD (mm)	Ω	mArms	φD (mm)	Ω	mArms	φD (mm)	Ω	mArms	φD (mm)	Ω	mArms
0.1																4x5.3	1190	2
0.22																4x5.3	905	3
0.33																4x5.3	603	4
0.47																4x5.3	424	5
1																4x5.3	199	7
2.2																4x5.3	91	10
3.3																4x5.3	60	12
4.7										4x5.3	57	12	4x5.3	46	14	5x5.3	42	17
10				4x5.3	43	15	4x5.3	36	16	5x5.3	27	21	5x5.3	22	23	6.3x5.3	20	26
22	4x5.3	23	21	5x5.3	20	25	5x5.3	17	28	6.3x5.3	12	36	6.3x5.3	10	50			
33	5x5.3	15	30	5x5.3	13	31	6.3x5.3	11	40	6.3x5.3	8.0	44						
47	5x5.3	11	36	6.3x5.3	9.2	43	6.3x5.3	7.8	47									
100	6.3x5.3	5.0	61															

(Note) Rated ripple current : 105 , 120Hz ; ESR : 20 , 120Hz