

## Chip Type 105°C Standard Capacitors

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 1000 hours at 105°C.



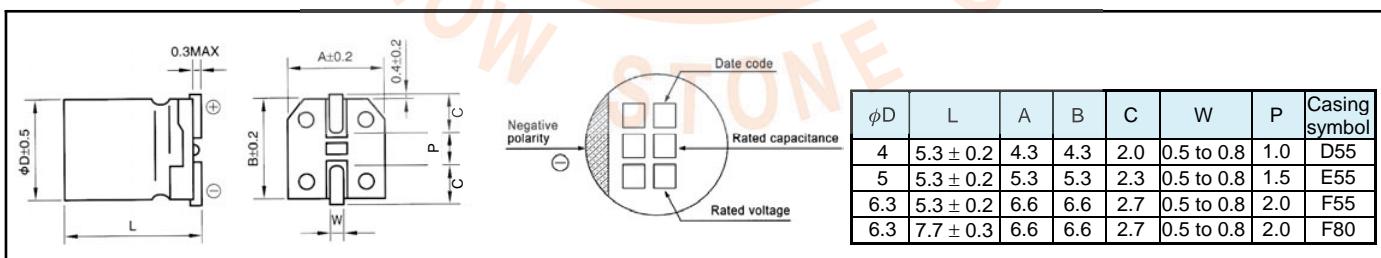
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## ■ SPECIFICATIONS

Item	Performance						
Category Temperature Range	-55°C~+105°C						
Capacitance Tolerance	±20% (20°C, 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°C)						
Dissipation Factor (Tanδ at 120Hz, 20°C)	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
Low Temperature Characteristics (at 120Hz)	Rated voltage (V)	6.3	10	16	25	35	50
	Impedance ratio (max.)	Z-25°C/Z+20°C	4	3	2	2	2
	Z-40°C/Z+20°C	8	5	4	3	3	3
Endurance (105°C) (Applied ripple current)	Test time	1000 hours					
	Capacitance Change	Within ±20% of initial value					
	Dissipation Factor	200% or less of the initial specified value					
	Leakage Current	The initial specified value or less					
Shelf life (105°C)	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 capacitance (μF)	Rated voltage (V)			6.3			10			16			25			35			50		
	Item	Case	ESR	Rated ripple current																	
		φD×L (mm)	Ω	mArms																	
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	—	—	—	6.3x7.7	6	60			
47	5x5.3	11	36	6.3x5.3	9.2	43	6.3x5.3	7.8	47	6.3x5.3	6.4	70	—	—	—	6.3x7.7	4.2	63			
100	6.3x5.3	5.0	61	6.3x5.3	4.3	60	6.3x5.3	3.6	60	6.3x7.7	2.7	91	6.3x7.7	2.2	84	—	—	—			

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