

Chip Type, 105 Use, Large Capacitance Capacitors

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 2000 hours at 105



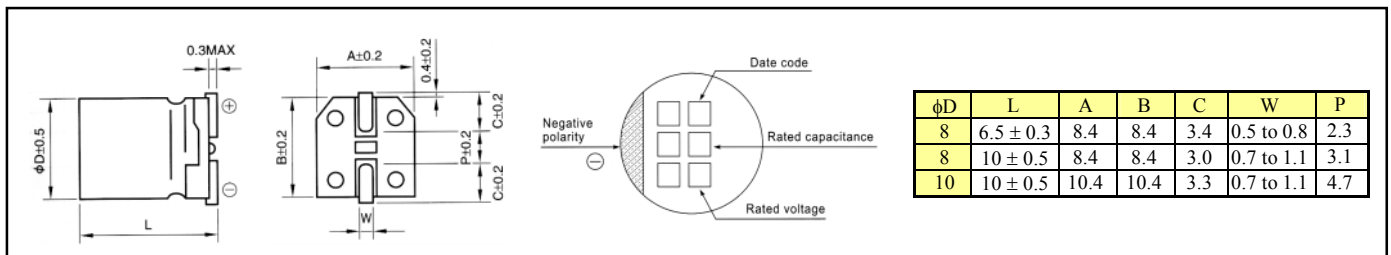
Marking color : Black print (φ8×6.5L)
White print on a brown sleeve (φ8×10L φ10×10L)

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 63 100
	tan δ (max.)	0.30 0.24 0.22 0.16 0.13 0.12 0.11 0.10
Characteristics at high and low temperature	Rated voltage (V)	6.3 10 16 25 35 50 63 100
	Impedance ratio (max.)	Z25 /Z+20 4 3 2 2 2 2 2 2 Z40 /Z+20 8 5 4 3 3 3 3 3
Endurance (105) (Applied ripple current)	Test time	2000 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)	50-60 120 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 to 63	0.80 1 1.35 1.50
100	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			63			100		
	Item	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	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	φD (mm)	Ω	mArms	φD (mm)	Ω
10																				8×10	16.6	67		
22																8×6.5	9.1	110	8×10	8.3	99	10×10	7.5	133
33													8×6.5	6.5	110	8×10	6.0	178	10×10	5.5	160			
47										8×6.5	5.7	110	8×10	4.6	178	8×10	4.2	178	10×10	3.9	160			
100				8×6.5	4.3	110	8×6.5	3.6	110	8×10	2.7	178	10×10	2.2	324	10×10	2.0	324						
220	8×10	2.3	178	8×10	2.0	178	10×10	1.7	324	10×10	1.2	324	10×10	0.98	324									
330	8×10	1.5	178	10×10	1.3	324	10×10	1.1	324	10×10	0.80	324												
470	10×10	1.0	324	10×10	0.92	324	10×10	0.78	324															
1000	10×10	0.5	324	10×10	0.4	324																		

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

NOTE

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