

Chip Type 105°C Use, Long Life Bipolar Capacitors





- Compatible with surface mounting.
- ·Supplied with carrier taping.
- •Guarantees 2000 hours 105℃.



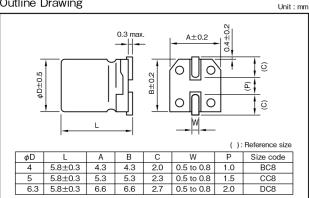


Marking color: Black print

Specifications

Item	Performance									
Category temperature range (°C)	-40 to +105									
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)									
Leakage current (μA) (max.)	0.0	0.01 CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μ F) , V : Rated voltage (V) (20°C)								
-	Rated v	6.3	10	16	25	35	50			
Tangent of loss angle	tanδ	(max.)	0.30	0.22	0.16	0.14	0.12	0.12		
(tanδ)								(20°C	,120Hz)	
	Rated v	oltage (V)	6.3	10	16	25	35	50	٦l	
Characteristics at high	Impedance ratio (max.)	Z-25°C/Z+20°C	4	3	2	2	2	2] [
and low temperature	impedance ratio (max.)	Z-40°C/Z+20°C	8	6	4	4	3	3		
								((120Hz)	
	Test	time	2000 hours (with the polarity inverted every 250 hours)							
Endurance (105°C) (Applied ripple current)	Leakag	The initial specified value or less								
	Percentage of ca	Within ±20% of initial value								
	Tangent of loss angle 200% or less of the initial specified value									
Shelf life (105°C)	Test time: 1000hours; other items are same as the endurance. Voltage application treatment: According to JIS C5101-4 4.1									
Applicable standards	JIS C5101 - 1, - 18 (IEC 60384 - 1, - 18)									

Outline Drawing



Product code system : 6.3V47µF (*For general product)

Rated voltage (V)
6.3 to 16

25 to 35

1 to 3.3μF

4.7*u*F

Frequency (Hz)

RS*	VV9	470	М	1J	DC8		U
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Taping and packing code	Additional code

120

1

1.15

1.25

1.35

1.35

10k • 100k

1.25 1.40

1.50

1.50

For details, refer to the various "Product Code System" pages.

Coefficient of Frequency for Rated Ripple Current

50.60

0.80

0.80

0.50

0.70

Refer to individual page.

(Soldering conditions, Land pattern size, The taping specifications)

Standard Ratings

Rated voltage (V)	d voltage (V) 6.3 (1J)		10 (1L)		16 (1E)		25 (1T)		35 (1G)		50 (1U)	
Rated Item	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current
capacitance (µF)	φD×L (mm)	(mArms)	φD×L (mm)	(mArms)	φD×L (mm)	(mArms)	φD×L (mm)	(mArms)	φD×L (mm)	(mArms)	φD×L (mm)	(mArms)
1	_	_	_	_	_	_	_	_	_	_	4×5.8	10
2.2	-	_	-	_	_	_	_	-	4×5.8	10	_	_
3.3 –		-	-	-	-	-	4×5.8	12	-	-	5×5.8	17
	_										6.3×5.8	20
4.7	_	_	_	_	_	_	4×5.8	12	_	_	6.3×5.8	23
10	_	_	4×5.8	20	5×5.8	25	6.3×5.8	28	_	_	_	_
22	-	_	-	_	_	_	6.3×5.8	55	_	_	_	_
33	_	_	6.3×5.8	41	_	_	_	_	_	_	_	_
47	6.3×5.8	45	_	_	_	_	_	_	_	_	_	_

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