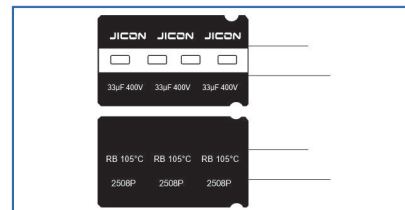


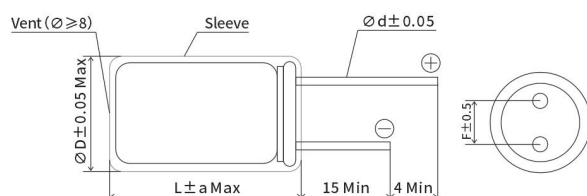
RB系列 SERIES

- 2000-3000h at 105°C
- Miniaturized, suitable for quick charge
- Low impedance
- RoHS Compliant



Items	Characteristics				
Operating Temperature Range(°C)	-25~+105				
Voltage Range (V)	400~450				
Capacitance Range (μF)	2.2~100				
Capacitance Tolerance(20°C, 120Hz)	± 20%				
Leakage Current (μA)	400~450V				
	I ≤ 0.02CV+15μA				
	After 2 minute at 20°C application of rated voltage				
	I:Max. leakage current (μA) C:Nominal Capacitance (μF) V:Rated Voltage (V)				
Dissipation Factor (20°C, 120Hz)	Rated Voltage (V)	400	420	450	
	Tanδ(max)	0.20			
Low Temperature Characteristics (Max. Impedance Ratio at 120Hz)	Rated Voltage (V)	400	420	450	
	Z-25°C/Z+20°C	6			
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for the specified period of time at 105°C.				
	Capacitance change	≤ ± 20% of the initial value		Case Dia	Life time (h)
	D.F.(Tanδ)	≤200% of specified value		φD ≤8	2000
	Leakage current	≤The initial specified value		φD >8	3000
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied .				
	Capacitance change	≤ ± 20% of the initial value			
	D.F.(Tanδ)	≤200% of specified value			
	Leakage current	≤200% of specified value			

◆ Dimensions(mm)



ΦD	5	6.3	8	10	13	16	18	20	22
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	7.5	10
Φd	0.5			0.6		0.8			
a	1.5					2.0			

◆ Frequency Coefficient

Frequency Cap(μF)	50/60HZ	120HZ	1KHZ	10KHZ	100KHZ
2.2~10	0.26	0.4	0.7	0.9	1.0
12~47	0.41	0.6	0.83	0.94	1.0
56~100	0.54	0.7	0.87	0.96	1.0

◆ Temperature Coefficient

Temperature(°C)	+70	+85	+105
Coefficient	1.80	1.40	1.00

◆ Ratings for RB Series

UR (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C 100KHz	Rated Ripple Current 105°C100KHz	Size $\phi D \times L$
(V)	(μF)	(Ω)	(mA rms)	(mm)
400(450)2G	2.2	28.20	64	6.3×12
	3.3	18.80	74	6.3×12
	4.7	13.20	125	6.3×12
	6.8	9.10	135	8×10
	10	6.20	200	8×12
	15	4.10	270	8×16
	18	3.50	305	8×16
	22	2.80	325	8×18
	27	2.30	390	10×16
	33	1.90	460	10×18
	47	1.30	630	13×20
	56	1.10	750	13×25
	68	0.92	880	16×20
	82	0.76	1180	16×25
	100	0.62	1310	18×25
420(470)W6	3.3	18.80	74	6.3×12
	4.7	13.20	128	6.3×15
	6.8	9.10	136	8×12
	10	6.20	206	8×14
	15	4.10	275	10×13
	18	3.50	315	10×16
	22	2.80	330	10×16
	27	2.30	400	10×20
	33	1.90	470	10×20
	47	1.30	635	13×20
	56	1.10	760	13×25
	68	0.92	890	16×25
	82	0.76	1200	18×25
450(500)2W	4.7	13.20	130	6.3×15
	6.8	9.10	136	8×14
	10	6.20	206	8×16
	15	4.10	275	10×13
	18	3.50	315	10×16
	22	2.80	330	10×18
	27	2.30	400	10×20
	33	1.90	470	10×25
	47	1.30	635	13×25
	56	1.10	760	16×20
	68	0.92	890	16×25
	82	0.76	1200	18×25