

SCCHBR SERIES



■ Features

- Lower ESR ,
- Wider temperature range
- RoHS compliant
- Consumer electronic
- Pulse power
- Hold-up power



Items	Characteristics		
Rated Voltage	3.8V~2.2V		
Operating Temperature Range	-25 ~+70°C		
Surge Voltage	4.0V		
Capacitance Range	30~220 F		
Capacitance Tolerance (20°C)	-20~+20%		
Temperature Characteristics	The specifications shall be met at category temperature range from -25°C to 70°C	Capacitance range	Within 30% of the value at 20°C
		ESR	Less than 200% of the value at 20°C
High Temperature Loaded	The specifications shall be met after rated voltage applied at 70°C for 1000 hours	Capacitance range	Within 30% of the initial value
		ESR	Less than 200% of the initial value
High Temperature Storage	The specifications shall be met after storage at 70°C for 1000 hours	Capacitance range	Within 30% of the initial value
		ESR	Less than 200% of the initial value
Cycle Life	The specifications shall be met after 100,000 cycles at 25°C, cycle of charge/discharge from 3.8~2.2v.	Capacitance range	Within 30% of the initial value
		ESR	Less than 200% of the initial value

Dimensions

mm

	ΦD	8	10	12	12.5	16	18
	p	3.5		5.0			7.5
	Φd	0.6		0.6			0.8
	a	1.5			2.0		

Standard Ratings for SCCHBR Series

U _r (Surge Voltage) Code	Rated Cap. 25°C, (F)	Impedance		Max. Current Discharge (A)	Self-discharge Current (μA)	Size ΦDxL (mm)	P/N
		ESR _{DC} (mΩ)	ESR _{AC} (1KHz) (mΩ)				
(V)	(F)	(mΩ)	(mΩ)	(A)	(μA)	(mm)	-
3.8 (4.0) 3R8	30	350	250	0.3	0.35	10 x 16	SCCHBR3R8306MRH100016E
	50	330	250	0.5	0.60	10 x 20	SCCHBR3R8506MRH100020E
	70	150	100	0.7	0.80	10 x 25	SCCHBR3R8706MRH100025E
	120	120	80	1.2	1.40	12.5 x 25	SCCHBR3R8127MRH125025E
	220	100	60	2.2	2.50	16 x 25	SCCHBR3R8227MRH160025E