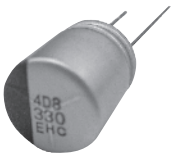
HSC New! Series

- High reliability and high voltage are realized by hybrid electrolyte
- Endurance with ripple current : 4,000 hours at 125℃
- Rated voltage range : 25 to 63Vdc, Capacitance range : 100 to 330μF
- For high temperature and high reliability applications.
  (Automotive equipment, Base station equipment, etc.)
- RoHS Compliant
- Halogen Free
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.

HSC
↑ Higher temperature
HSD P82

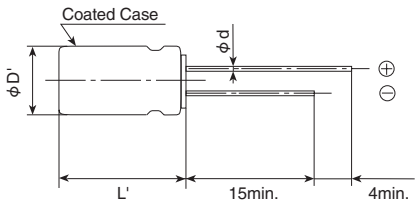


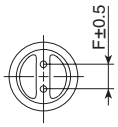
◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-55 to +125℃		
Rated Voltage Range	25 to 63Vdc		
Capacitance Tolerance	±20% (M)		(at 20℃, 120Hz)
Leakage Current	I=0.05CV Where, I : Max. leakage current (μA), C: Nominal capacitance(μF), V : Rated voltage(V)		(at 20℃ after 2 minutes)
Dissipation Factor (tan δ)	0.16 max.		(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Z(-25℃)/Z(+20℃)≦1.5 Z(-55℃)/Z(+20℃)≦2.0		(at 100kHz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 4,000 hours at 125℃.		
	Capacitance change	≦±30% of the initial value	
	D.F. (tan δ)	≦ 200% of the initial specified value	
	ESR	≦ 200% of the initial specified value	
	Leakage current	≦ The initial specified value	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 125℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.		
	Capacitance change	≦±30% of the initial value	
	D.F. (tan δ)	≦ 200% of the initial specified value	
	ESR	≦ 200% of the initial specified value	
	Leakage current	≦ The initial specified value	
Bias Humidity Test	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjecting them to the DC rated voltage at 85℃, 85% RH for 2,000 hours.		
	Appearance	No significant damage	
	Capacitance change	≦ ±30% of the initial value	
	D.F. (tan δ)	≦ 200% of the initial specified value	
	ESR	≦ 200% of the initial specified value	
	Leakage current	≦ The initial specified value	

◆DIMENSIONS [mm]

●Terminal Code : E





Size Code	JC5
ϕD	10
ϕd	0.6
F	5.0
ϕD'	ϕD+0.5max.
L'	L+1.5max.

◆MARKING

EX) 25V330μF

●Rated voltage symbol

Rated voltage (Vdc)	Symbol
25	E
35	V
50	H
63	J

◆PART NUMBERING SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H	H	S	C				E						M	J	C	5	S

Supplement code
Size code
Capacitance tolerance code
Capacitance code (ex. 47μF:470, 100μF:101)
Lead forming Taping code
Terminal code
Voltage code (ex. 35V:350, 50V:500)
Series code
Category

Please refer to "Product code guide (conductive polymer hybrid type)"

HSC New! Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L (mm)	ESR (mΩ max./20℃, 100kHz)	Rated ripple current (mArms/125℃, 100kHz)	Part No.
25	330	10×12.5	16	2,300	HHSC250E□□331MJC5S
35	270	10×12.5	17	2,200	HHSC350E□□271MJC5S
50	120	10×12.5	19	2,100	HHSC500E□□121MJC5S
63	100	10×12.5	20	2,000	HHSC630E□□101MJC5S

□□:Enter the appropriate lead forming or taping code.