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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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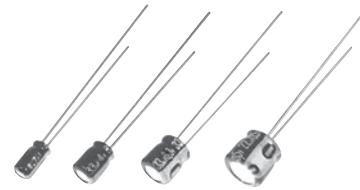
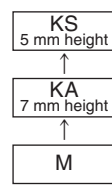
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Radial Lead Type

Series : **KS** Type : **A**

Low Profile



Features

- Endurance : 85 °C 1000 h
- 5 mm height
- RoHS compliant

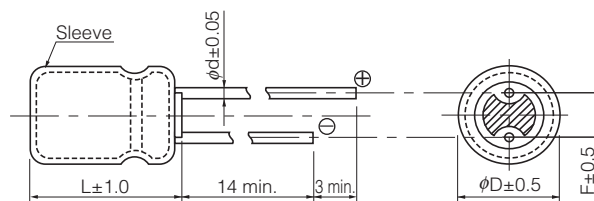
Specifications

Category temperature range	-40 °C to +85 °C	
Rated voltage range	4 V.DC to 50 V.DC	
Capacitance range	2.2 μF to 330 μF	
Capacitance tolerance	±20 % (120 Hz/+20 °C)	
Leakage current	$I \leq 0.01 CV$ or 3 (μA) After 2 minutes (Whichever is greater)	
Dissipation factor (tan δ)	Please see the attached characteristics list	
Endurance	After applying rated working voltage for 1000 hours at +85 °C±2 °C, when the capacitors are restored to 20°C capacitors, shall meet the following limits.	
	Capacitance change	Within ±20 % of the initial value (4 V.DC : ±30 %)
	tan δ	≤ 200 % of the initial limit
Shelf life	DC leakage current	Within the initial limit
	After storage for 1000 hours at +85 °C±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance (With voltage treatment)	

Frequency correction factor for ripple current

Frequency (Hz)	50, 60	120	1 k	10 k to
Correction factor	0.70	1.00	1.30	1.70

Dimensions



(Unit : mm)

φD	4	5	6.3	8
φd	0.45	0.45	0.45	0.45
F	1.5	2.0	2.5	2.5

Characteristics list

Endurance : 85 °C 1000 h

Rated voltage (V.DC)	Cap. (±20 %) (μF)	Case size (mm)		Specification		Lead length (mm)			Part No.	Min. Packaging Q'ty			
		φD	L	Ripple current (120 Hz) (+85 °C) (mA r.m.s.)	tan δ (120 Hz) (+20 °C)	Lead dia. φd	Lead space			Straight leads (pcs)	Taping (pcs)		
							Straight	Taping *B				Taping *i	
4	33	4	5	26	0.35	0.45	1.5	5.0	2.5	ECEA0GKS330()	200	2000	
	47	4	5	34	0.35	0.45	1.5	5.0	2.5	ECEA0GKS470()	200	2000	
	100	5	5	61	0.35	0.45	2.0	5.0	2.5	ECEA0GKS101()	200	2000	
	220	6.3	5	82	0.35	0.45	2.5	5.0	2.5	ECEA0GKS221()	200	2000	
6.3	22	4	5	29	0.24	0.45	1.5	5.0	2.5	ECEA0JKS220()	200	2000	
	33	5	5	38	0.24	0.45	2.0	5.0	2.5	ECEA0JKS330()	200	2000	
	47	5	5	46	0.24	0.45	2.0	5.0	2.5	ECEA0JKS470()	200	2000	
	100	6.3	5	71	0.24	0.45	2.5	5.0	2.5	ECEA0JKS101()	200	2000	
	330	8	5	130	0.24	0.45	2.5		2.5	ECEA0JKS331()	200	1000	
		8	5	130	0.24	0.45		5.0		ECEA0JKS331Q		1000	
10	22	5	5	35	0.20	0.45	2.0	5.0	2.5	ECEA1AKS220()	200	2000	
	33	5	5	43	0.20	0.45	2.0	5.0	2.5	ECEA1AKS330()	200	2000	
	47	6.3	5	65	0.20	0.45	2.5	5.0	2.5	ECEA1AKS470()	200	2000	
	100	6.3	5	80	0.20	0.45	2.5	5.0	2.5	ECEA1AKS101()	200	2000	
	220	8	5	120	0.20	0.45	2.5		2.5	ECEA1AKS221()	200	1000	
		8	5	120	0.20	0.45		5.0		ECEA1AKS221Q		1000	
16	10	4	5	28	0.16	0.45	1.5	5.0	2.5	ECEA1CKS100()	200	2000	
	22	5	5	39	0.16	0.45	2.0	5.0	2.5	ECEA1CKS220()	200	2000	
	33	6.3	5	60	0.16	0.45	2.5	5.0	2.5	ECEA1CKS330()	200	2000	
	47	6.3	5	70	0.16	0.45	2.5	5.0	2.5	ECEA1CKS470()	200	2000	
	100	8	5	91	0.16	0.45	2.5		2.5	ECEA1CKS101()	200	1000	
		8	5	91	0.16	0.45		5.0		ECEA1CKS101Q		1000	
25	4.7	4	5	22	0.14	0.45	1.5	5.0	2.5	ECEA1EKS4R7()	200	2000	
	10	5	5	28	0.14	0.45	2.0	5.0	2.5	ECEA1EKS100()	200	2000	
	22	6.3	5	55	0.14	0.45	2.5	5.0	2.5	ECEA1EKS220()	200	2000	
	33	6.3	5	65	0.14	0.45	2.5	5.0	2.5	ECEA1EKS330()	200	2000	
	100	8	5	85	0.14	0.45	2.5		2.5	ECEA1EKS101()	200	1000	
		8	5	85	0.14	0.45		5.0		ECEA1EKS101Q		1000	
35	3.3	4	5	16	0.12	0.45	1.5	5.0	2.5	ECEA1VKS3R3()	200	2000	
	4.7	4	5	22	0.12	0.45	1.5	5.0	2.5	ECEA1VKS4R7()	200	2000	
	10	5	5	30	0.12	0.45	2.0	5.0	2.5	ECEA1VKS100()	200	2000	
	22	6.3	5	60	0.12	0.45	2.5	5.0	2.5	ECEA1VKS220()	200	2000	
	33	8	5	65	0.12	0.45	2.5		2.5	ECEA1VKS330()	200	1000	
			8	5	65	0.12	0.45		5.0		ECEA1VKS330Q		1000
	47	8	5	85	0.12	0.45	2.5		2.5	ECEA1VKS470()	200	1000	
		8	5	85	0.12	0.45		5.0		ECEA1VKS470Q		1000	
50	2.2	4	5	16	0.10	0.45	1.5	5.0	2.5	ECEA1HKS2R2()	200	2000	
	3.3	4	5	16	0.10	0.45	1.5	5.0	2.5	ECEA1HKS3R3()	200	2000	
	4.7	5	5	23	0.10	0.45	2.0	5.0	2.5	ECEA1HKS4R7()	200	2000	
	10	6.3	5	35	0.10	0.45	2.5	5.0	2.5	ECEA1HKS100()	200	2000	
	22	8	5	60	0.10	0.45	2.5		2.5	ECEA1HKS220()	200	1000	
		8	5	60	0.10	0.45		5.0		ECEA1HKS220Q		1000	

· When requesting taped product, please put the letter "B" or "i" between the "()". Lead wire pitch *B=5 mm, i=2.5 mm.

· Please refer to the page of "Taping dimensions".