

**Line up**

**Surface mount type**

Series	Part No.	Features	Small size	Large cap.	High ripple	High temp.	Long life	Category temperature range (°C)	Rated voltage range (V)	ESR (mΩ)	Capacitance range (μF)	Size code	Size (mm)	
													∅D	L
ZA	EEHZA---	Low ESR High ripple current Long life 105 °C 10000 h	●					-55 to 105	25 to 50	80 to 120	10 to 33	C	5.0	5.8
									25 to 63	50 to 120	10 to 56	D	6.3	5.8
										30 to 80	22 to 100	D8	6.3	7.7
									25 to 80	27 to 45	22 to 220	F	8.0	10.2
20 to 36	33 to 330	G	10.0	10.2										
ZC	EEHZC---	Low ESR High ripple current Long life 125 °C 4000 h	●				-55 to 125	25 to 50	80 to 120	10 to 33	C	5.0	5.8	
								25 to 63	50 to 120	10 to 56	D	6.3	5.8	
									30 to 80	22 to 100	D8	6.3	7.7	
								25 to 80	27 to 45	22 to 220	F	8.0	10.2	
20 to 36	33 to 330	G	10.0	10.2										
ZK	EEHZK---	Large capacitance High ripple current Long life 125 °C 4000 h	●	●	●		-55 to 125	25 to 35	80 to 100	33 to 47	C	5.0	5.8	
									50 to 60	56 to 82	D	6.3	5.8	
									30 to 35	100 to 150	D8	6.3	7.7	
									27	180 to 270	F	8.0	10.2	
									20	330 to 470	G	10.0	10.2	
ZKU	EEHZK--U-	Large capacitance Long life 125 °C 4000 h	●	●	●		-55 to 125	25 to 35	80 to 100	39 to 56	C	5.0	5.8	
									50 to 60	68 to 100	D	6.3	5.8	
									30 to 35	120 to 180	D8	6.3	7.7	
									27	220 to 330	F	8.0	10.2	
									20	390 to 560	G	10.0	10.2	
ZT	EEHZT---	125 °C 4000 h		●	●		-55 to 125	25 to 63	22 to 32	33 to 220	F	8.0	10.2	
									16 to 25	56 to 330	G	10.0	10.2	
ZS	EEHZS---	125 °C 4000 h 135 °C 4000 h		●	●		-55 to 135	25 to 63	14 to 19	100 to 470	G12	10.0	12.5	
									11 to 15	150 to 560	G16	10.0	16.5	
ZSU	EEHZS--U-	125 °C 4000 h		●	●		-55 to 125	25 to 63	14 to 19	120 to 680	G12	10.0	12.5	
									11 to 15	180 to 1000	G16	10.0	16.5	
ZU	EEHZU---	125 °C 4000 h 135 °C 4000 h		●	●		-55 to 135	25 to 63	10 to 12	100 to 470	G12	10.0	12.5	
									8 to 10	150 to 560	G16	10.0	16.5	
ZE	EEHZE---	145 °C 2000 h 135 °C 4000 h			●	●	-55 to 145	25 to 63	27 to 40	33 to 220	F	8.0	10.2	
									20 to 30	56 to 330	G	10.0	10.2	
ZF	EEHZF---	150 °C 1000 h			●	●	-55 to 150	25 to 63	27 to 40	33 to 150	F	8.0	10.2	
									20 to 30	56 to 270	G	10.0	10.2	

**Diagram**

**Surface mount type**

