

UHG Series (105°C 10000H)

- Compliant to the RoHS directive
- High ripple current & Extremely Long life design
- For Home Appliance, Audio Amplifier, Frequency inverter, Vehicle Power Supply Module, Smart Meters, Medical Power Supply...



◆ SPECIFICATIONS

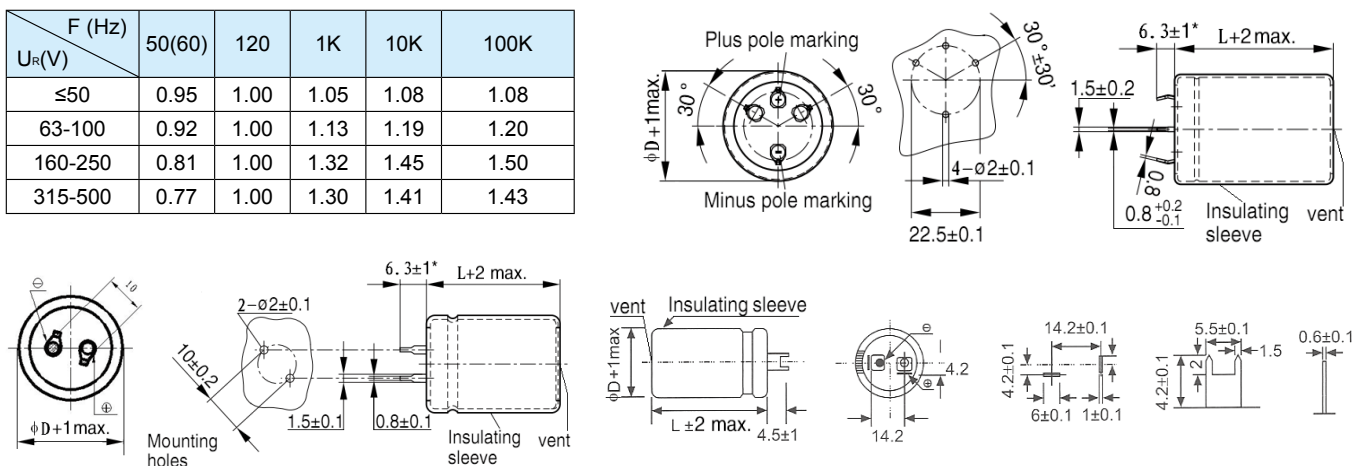
Item	Performance Characteristics							
Operating range	-40°C~+105°C				-25°C~+105°C			
Rated voltage range	10V~100V				160V~450V			
Capacitance tolerance	±20% (20°C, 120Hz)							
Leakage current	I ≤ 0.01CV(µA) or 1.5mA (Whichever is smaller) (20°C, after 5 minutes) C=Nominal capacitance(µF), V=Rated voltage(V)							
Dissipation factor (20°C, 120Hz)	UR(V)	10	16	25	35	50	63 ~ 400	450
	tanδ	0.50	0.40	0.30	0.25	0.20	0.15	0.20
Stability at Low Temperature (Impedance ratio at 120Hz)	UR(V)	10 ~ 16	25	35	50~63	80~100	160~250	315~450
	Z(-25°C)/Z(+20°C)	4	3	3	2		4	8
	Z(-40°C)/Z(+20°C)	15	10	8	6	5	-	
Load Life	After applying rated voltage with specified ripple current for 10000 hours at 105°C (the peak voltage shall not exceed the rated voltage), and then restored for 24 hours, capacitor shall meet the following requirement:							
	Capacitance change	Within ±20% of the initial value.						
	Dissipation factor	Not more than 200% of the initial specified value.						
	Leakage current	Not more than the initial specified value.						
Shelf Life	After storing for 1000 hours at 105°C, UR to be applied for 30 minutes and then restored for 24 hours, capacitor shall meet the following requirement:							
	Capacitance change	Within ±15% of the initial value.						
	Dissipation factor	Not more than 150% of the initial specified value.						
	Leakage current	Not more than the initial specified value.						
Standard	JIS C 5101-4							

◆ Coefficient of rated ripple current

UR(V) \ F (Hz)	50(60)	120	1K	10K	100K
≤50	0.95	1.00	1.05	1.08	1.08
63-100	0.92	1.00	1.13	1.19	1.20
160-250	0.81	1.00	1.32	1.45	1.50
315-500	0.77	1.00	1.30	1.41	1.43

◆ Drawing

Unit:mm



◆ Shorter terminal is: 4.0±0.5mm

◆ STANDARD RATING

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L(mm)	tanδ 20°C, 120Hz	Ripple current 105°C, 120Hz (Arms)	Max ESR 20°C, 120Hz(mΩ)	ESR(typ.) 20°C, 120Hz(mΩ)	Part number
10 1A (16)	12000	22×30	0.50	2.17	50	40	UHG1A123KP030M
	15000	25×25	0.50	2.41	40	30	UHG1A153KQ025M
	18000	25×30	0.50	2.74	32	26	UHG1A183KQ030M
	22000	25×35	0.50	3.13	25	20	UHG1A223KQ035M
	33000	30×30	0.50	4.05	18	13	UHG1A333KR030M
	39000	30×35	0.50	4.52	15	11	UHG1A393KR035M
	47000	35×40	0.50	4.62	12	9.1	UHG1A473KR040M
	68000	35×50	0.50	6.75	8	6.3	UHG1A683KS040M
	82000	35×50	0.50	8.25	7	5.2	UHG1A823KS045M
16 1C (25)	6800	22*25	0.40	2.00	100	70	UHG1C682KP025M
	10000	22*30	0.40	2.45	70	50	UHG1C103KP030M
		25*25	0.40	2.45	70	50	UHG1C103KQ025M
	12000	22*35	0.40	3.01	60	40	UHG1C123KP035M
		25*30	0.40	3.01	60	40	UHG1C123KQ030M
		30*25	0.40	3.01	60	40	UHG1C123KR025M
	15000	22*40	0.40	3.32	45	35	UHG1C153KP040M
		25*35	0.40	3.32	45	35	UHG1C153KQ035M
	18000	22*45	0.40	3.81	40	30	UHG1C183KP045M
		25*40	0.40	3.81	40	30	UHG1C183KQ040M
		30*30	0.40	3.81	40	30	UHG1C183KR030M
		35*25	0.40	3.81	40	30	UHG1C183KS025M
	22000	25*45	0.40	4.18	30	22	UHG1C223KQ045M
		30*35	0.40	4.18	30	22	UHG1C223KR035M
	27000	25*50	0.40	4.70	25	20	UHG1C273KQ050M
		30*40	0.40	4.70	25	20	UHG1C273KR040M
		35*30	0.40	4.70	25	20	UHG1C273KS030M
	33000	30*45	0.40	5.29	20	15	UHG1C333KR045M
		35*35	0.40	5.29	20	15	UHG1C333KS035M
	39000	30*50	0.40	5.91	20	15	UHG1C393KR050M
35*40		0.40	5.91	20	15	UHG1C393KS040M	
47000	35*45	0.40	6.67	15	12	UHG1C473KS045M	
25 1E (35)	4700	22*25	0.30	1.97	120	80	UHG1E472KP025M
	6800	22*30	0.30	2.39	80	55	UHG1E682KP030M
		25*25	0.30	2.39	80	55	UHG1E682KQ025M
	8200	22*35	0.30	2.82	65	45	UHG1E822KP035M
		25*30	0.30	2.82	65	45	UHG1E822KQ030M
		30*25	0.30	2.82	65	45	UHG1E822KR025M
	10000	22*40	0.30	3.07	55	40	UHG1E103KP040M
		25*35	0.30	3.07	55	40	UHG1E103KQ035M
	12000	25*40	0.30	2.41	45	35	UHG1E123KQ040M
		30*30	0.30	2.41	45	35	UHG1E123KR030M
		35*25	0.30	2.41	45	35	UHG1E123KS025M
	15000	25*45	0.30	2.93	35	25	UHG1E153KQ045M
		30*35	0.30	2.93	35	25	UHG1E153KR035M
		35*30	0.30	2.93	35	25	UHG1E153KS030M
	18000	25*50	0.30	4.37	30	22	UHG1E183KQ050M
		30*40	0.30	4.37	30	22	UHG1E183KR040M
	22000	30*45	0.30	5.25	25	20	UHG1E223KR045M
35*35		0.30	5.25	25	20	UHG1E223KS035M	
27000	35*45	0.30	5.89	20	15	UHG1E273KS045M	
33000	35*50	0.30	6.62	20	12	UHG1E333KS050M	
35 1V (50)	3300	22*25	0.25	1.78	150	100	UHG1V332KP025M
	4700	25*25	0.25	2.30	100	70	UHG1V472KQ025M
		22*40	0.25	2.85	70	50	UHG1V682KP040M
	6800	25*35	0.25	2.85	70	50	UHG1V682KQ035M

◆ STANDARD RATING

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L(mm)	tanδ 20°C, 120Hz	Ripple current 105°C, 120Hz (Arms)	Max ESR 20°C, 120Hz(mΩ)	ESR(typ.) 20°C, 120Hz(mΩ)	Part number
35 1V (50)	10000	25*45	0.25	3.61	50	35	UHG1V103KQ045M
		30*35	0.25	3.61	50	35	UHG1V103KR035M
	12000	25*50	0.25	4.25	40	30	UHG1V123KQ050M
		35*30	0.25	4.25	40	30	UHG1V123KS030M
	15000	30*45	0.25	4.61	35	25	UHG1V153KR045M
		35*35	0.25	4.61	35	25	UHG1V153KS035M
18000	35*40	0.25	5.13	30	20	UHG1V183KS040M	
22000	35*50	0.25	6.06	25	16	UHG1V223KS050M	
50 1H (63)	1800	22*25	0.20	1.63	225	160	UHG1H182KP025M
	2200	22*30	0.20	1.79	185	130	UHG1H222KP030M
	2700	25*25	0.20	2.11	150	110	UHG1H272KQ025M
	3300	22*35	0.20	2.37	125	90	UHG1H332KP035M
		25*30	0.20	2.37	125	90	UHG1H332KQ030M
	3900	25*35	0.20	2.82	110	75	UHG1H392KQ035M
		30*25	0.20	2.82	110	75	UHG1H392KR025M
	4700	30*30	0.20	3.29	90	60	UHG1H472KR030M
		35*25	0.20	3.29	90	60	UHG1H472KS025M
	5600	22*50	0.20	3.63	80	50	UHG1H562KP050M
		25*40	0.20	3.63	80	50	UHG1H562KQ040M
		30*35	0.20	3.63	80	50	UHG1H562KR035M
	6800	30*40	0.20	4.17	60	45	UHG1H682KR040M
		35*30	0.20	4.17	60	45	UHG1H682KS030M
	8200	30*45	0.20	4.57	50	35	UHG1H822KR045M
		35*35	0.20	4.57	50	35	UHG1H822KS035M
	10000	30*50	0.20	5.03	42	30	UHG1H103KR050M
		35*40	0.20	5.03	42	30	UHG1H103KS040M
12000	35*45	0.20	5.62	35	25	UHG1H123KS045M	
63 1J (80)	1200	22*25	0.15	1.56	225	160	UHG1J122KP025M
	1800	22*30	0.15	1.88	150	110	UHG1J182KP030M
		25*25	0.15	1.88	150	110	UHG1J182KQ025M
	2200	22*35	0.15	2.13	125	90	UHG1J222KP035M
		25*30	0.15	2.13	125	90	UHG1J222KQ030M
	2700	22*40	0.15	2.45	100	70	UHG1J272KP040M
		25*35	0.15	2.45	100	70	UHG1J272KQ035M
		30*25	0.15	2.45	100	70	UHG1J272KR025M
	3300	25*40	0.15	2.97	80	60	UHG1J332KQ040M
		30*30	0.15	2.97	80	60	UHG1J332KR030M
		35*25	0.15	2.97	80	60	UHG1J332KS025M
	3900	25*45	0.15	3.13	70	50	UHG1J392KQ045M
		30*35	0.15	3.13	70	50	UHG1J392KR035M
	4700	25*50	0.15	3.56	60	40	UHG1J472KQ050M
		30*40	0.15	3.56	60	40	UHG1J472KR040M
		35*30	0.15	3.56	60	40	UHG1J472KS030M
	5600	30*45	0.15	4.04	50	35	UHG1J562KR045M
		35*35	0.15	4.04	50	35	UHG1J562KS035M
6800	30*50	0.15	4.59	40	30	UHG1J682KR050M	
	35*40	0.15	4.59	40	30	UHG1J682KS040M	
8200	35*45	0.15	5.13	35	25	UHG1J822KS045M	
10000	35*50	0.15	5.77	30	20	UHG1J103KS050M	
80 1K (100)	1000	22*25	0.15	1.54	270	190	UHG1K102KP025M
	1200	22*30	0.15	1.72	230	160	UHG1K122KP030M
		25*25	0.15	1.72	230	160	UHG1K122KQ025M
	1500	22*35	0.15	2.00	180	130	UHG1K152KP035M
		25*30	0.15	2.00	180	130	UHG1K152KQ030M
	1800	22*40	0.15	2.26	150	110	UHG1K182KP040M
30*25		0.15	2.26	150	110	UHG1K182KR025M	

◆ STANDARD RATING

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L(mm)	tanδ 20°C, 120Hz	Ripple current 105°C, 120Hz (Arms)	Max ESR 20°C, 120Hz(mΩ)	ESR(typ.) 20°C, 120Hz(mΩ)	Part number
80 1K (100)	2200	25*35	0.15	2.67	125	90	UHG1K222KQ035M
		30*30	0.15	2.67	125	90	UHG1K222KR030M
		35*25	0.15	2.67	125	90	UHG1K222KS025M
	2700	25*45	0.15	3.00	100	70	UHG1K272KQ045M
		30*35	0.15	3.00	100	70	UHG1K272KR035M
	3300	25*50	0.15	3.42	80	60	UHG1K332KQ050M
		30*40	0.15	3.42	80	60	UHG1K332KR040M
		35*30	0.15	3.42	80	60	UHG1K332KS030M
	3900	30*45	0.15	3.83	70	50	UHG1K392KR045M
		35*35	0.15	3.83	70	50	UHG1K392KS035M
	4700	30*50	0.15	4.38	60	40	UHG1K472KR050M
		35*40	0.15	4.38	60	40	UHG1K472KS040M
5600	35*45	0.15	4.76	50	35	UHG1K562KS045M	
6800	35*50	0.15	5.16	40	30	UHG1K682KS050M	
100 2A (125)	560	22*25	0.15	1.32	480	340	UHG2A561KP025M
	820	22*30	0.15	1.66	330	230	UHG2A821KP030M
		25*25	0.15	1.66	330	230	UHG2A821KQ025M
	1000	22*35	0.15	1.91	270	190	UHG2A102KP035M
		25*30	0.15	1.91	270	190	UHG2A102KQ030M
	1200	22*40	0.15	2.16	230	160	UHG2A122KP040M
		25*35	0.15	2.16	230	160	UHG2A122KQ035M
		30*25	0.15	2.16	230	160	UHG2A122KR025M
	1500	25*40	0.15	2.55	180	130	UHG2A152KQ040M
		30*30	0.15	2.55	180	130	UHG2A152KR030M
		35*25	0.15	2.55	180	130	UHG2A152KS025M
	1800	25*45	0.15	2.81	150	110	UHG2A182KQ045M
		30*35	0.15	2.81	150	110	UHG2A182KR035M
	2200	25*50	0.15	3.32	125	85	UHG2A222KQ050M
		30*40	0.15	3.32	125	85	UHG2A222KR040M
		35*30	0.15	3.32	125	85	UHG2A222KS030M
	2700	30*45	0.15	3.62	100	70	UHG2A272KR045M
		35*35	0.15	3.62	100	70	UHG2A272KS035M
3300	30*50	0.15	4.09	80	60	UHG2A332KR050M	
	35*40	0.15	4.09	80	60	UHG2A332KS040M	
3900	35*45	0.15	4.54	70	50	UHG2A392KS045M	
4700	35*50	0.15	5.11	60	40	UHG2A472KS050M	
160 2C (200)	330	22*25	0.15	1.54	610	430	UHG2C331KP025M
	390	22*30	0.15	1.78	510	360	UHG2C391KP030M
	470	22*35	0.15	1.90	430	300	UHG2C471KP035M
		25*25	0.15	1.90	430	300	UHG2C471KQ025M
	560	22*40	0.15	2.13	355	250	UHG2C561KP040M
		25*30	0.15	2.13	355	250	UHG2C561KQ030M
	680	22*45	0.15	2.33	300	210	UHG2C681KP045M
		25*35	0.15	2.33	300	210	UHG2C681KQ035M
		30*25	0.15	2.33	300	210	UHG2C681KR025M
	820	25*40	0.15	2.58	245	170	UHG2C821KQ040M
		30*30	0.15	2.58	245	170	UHG2C821KR030M
	1000	25*45	0.15	3.07	200	140	UHG2C102KQ045M
		30*35	0.15	3.07	200	140	UHG2C102KR035M
	1200	25*50	0.15	3.62	170	120	UHG2C122KQ050M
		30*40	0.15	3.62	170	120	UHG2C122KR040M
		35*30	0.15	3.62	170	120	UHG2C122KS030M
	1500	30*45	0.15	3.93	135	95	UHG2C152KR045M
		35*35	0.15	3.93	135	95	UHG2C152KS035M
1800	35*45	0.15	4.44	120	80	UHG2C182KS045M	
2200	35*50	0.15	4.99	100	70	UHG2C222KS050M	

◆ STANDARD RATING

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L(mm)	tanδ 20°C, 120Hz	Ripple current 105°C, 120Hz (Arms)	Max ESR 20°C, 120Hz(mΩ)	ESR(typ.) 20°C, 120Hz(mΩ)	Part number
200 2D (250)	220	22*25	0.15	1.54	910	640	UHG2D221KP025M
	270	22*30	0.15	1.78	740	520	UHG2D271KP030M
	330	25*25	0.15	1.90	610	430	UHG2D331KQ025M
	390	22*35	0.15	1.90	510	360	UHG2D391KP035M
	470	22*40	0.15	1.64	425	300	UHG2D471KP040M
		25*30	0.15	2.13	425	300	UHG2D471KQ030M
		30*25	0.15	2.13	425	300	UHG2D471KR025M
	560	22*45	0.15	2.33	355	250	UHG2D561KP045M
		25*35	0.15	2.33	355	250	UHG2D561KQ035M
	680	22*50	0.15	2.33	300	210	UHG2D681KP050M
		25*40	0.15	2.58	300	210	UHG2D681KQ040M
		30*30	0.15	2.58	300	210	UHG2D681KR030M
	820	25*50	0.15	3.07	245	170	UHG2D821KQ050M
		30*35	0.15	3.07	245	170	UHG2D821KR035M
		35*30	0.15	3.62	245	170	UHG2D821KS030M
	1000	30*45	0.15	3.62	200	140	UHG2D102KR045M
		35*35	0.15	3.62	200	140	UHG2D102KS035M
	1200	30*50	0.15	3.93	170	120	UHG2D122KR050M
35*40		0.15	3.93	170	120	UHG2D122KS040M	
1500	35*45	0.15	4.44	140	100	UHG2D152KS045M	
1800	35*50	0.15	4.99	120	80	UHG2D182KS050M	
250 2E (300)	180	22*25	0.15	1.15	1110	780	UHG2E181KP025M
	220	22*30	0.15	1.36	910	640	UHG2E221KP030M
		25*25	0.15	1.36	910	640	UHG2E221KQ025M
	270	22*35	0.15	1.41	740	520	UHG2E271KP035M
	330	22*40	0.15	1.61	610	430	UHG2E331KP040M
		25*30	0.15	1.61	610	430	UHG2E331KQ030M
		30*25	0.15	1.61	610	430	UHG2E331KR025M
	390	22*45	0.15	1.84	510	360	UHG2E391KP045M
		25*35	0.15	1.84	510	360	UHG2E391KQ035M
	470	25*40	0.15	1.98	430	300	UHG2E471KQ040M
		30*30	0.15	1.98	430	300	UHG2E471KR030M
		35*25	0.15	1.98	430	300	UHG2E471KS025M
	560	25*45	0.15	2.30	360	250	UHG2E561KQ045M
		30*35	0.15	2.30	360	250	UHG2E561KR035M
		35*30	0.15	2.30	360	250	UHG2E561KS030M
	680	25*50	0.15	2.74	300	210	UHG2E681KQ050M
		30*40	0.15	2.74	300	210	UHG2E681KR040M
	820	30*45	0.15	2.88	245	170	UHG2E821KR045M
35*35		0.15	2.88	245	170	UHG2E821KS035M	
1000	30*50	0.15	3.32	200	140	UHG2E102KR050M	
	35*40	0.15	3.32	200	140	UHG2E102KS040M	
1200	35*45	0.15	3.74	170	120	UHG2E122KS045M	
1500	35*50	0.15	4.39	170	120	UHG2E152KS050M	
315 2F (365)	100	22*25	0.15	0.86	2000	1600	UHG2F101KP025M
	120	22*25	0.15	0.97	2000	1600	UHG2F121KP025M
	150	22*30	0.15	1.04	1330	1100	UHG2F151KP030M
		25*25	0.15	1.04	1330	1100	UHG2F151KQ025M
	180	22*35	0.15	1.16	1110	890	UHG2F181KP035M
		25*30	0.15	1.16	1110	890	UHG2F181KQ030M
	220	22*40	0.15	1.41	910	730	UHG2F221KP040M
		25*35	0.15	1.41	910	730	UHG2F221KQ035M
	270	22*45	0.15	1.62	740	600	UHG2F271KP045M
25*40		0.15	1.62	740	600	UHG2F271KQ040M	
30*30		0.15	1.62	740	600	UHG2F271KR030M	
	35*25	0.15	1.62	740	600	UHG2F271KS025M	

◆ STANDARD RATING

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L(mm)	tanδ 20°C, 120Hz	Ripple current 105°C, 120Hz (Arms)	Max ESR 20°C, 120Hz(mΩ)	ESR(typ.) 20°C, 120Hz(mΩ)	Part number
315 2F (365)	330	25*45	0.15	1.76	610	490	UHG2F331KQ045M
		30*35	0.15	1.76	610	490	UHG2F331KR035M
	390	30*40	0.15	1.97	520	410	UHG2F391KR040M
		35*30	0.15	1.97	520	410	UHG2F391KS030M
	470	30*45	0.15	2.24	430	345	UHG2F471KR045M
		35*35	0.15	2.24	430	345	UHG2F471KS035M
	560	30*50	0.15	2.50	360	290	UHG2F561KR050M
		35*40	0.15	2.50	360	290	UHG2F561KS040M
	680	35*45	0.15	2.88	300	240	UHG2F681KS045M
	350 2V (400)	82	22*30	0.15	0.74	2940	1620
100		25*25	0.15	0.86	1995	1100	UHG2V101KQ025M
120		22*35	0.15	0.96	1660	920	UHG2V121KP035M
150		22*40	0.15	1.04	1330	730	UHG2V151KP040M
180		22*45	0.15	1.16	1110	610	UHG2V181KP045M
		25*35	0.15	1.16	1110	610	UHG2V181KQ035M
		30*30	0.15	1.16	1110	610	UHG2V181KR030M
220		22*50	0.15	1.29	910	500	UHG2V221KP050M
		25*40	0.15	1.29	910	500	UHG2V221KQ040M
270		25*50	0.15	1.54	740	410	UHG2V271KQ050M
		30*35	0.15	1.54	740	410	UHG2V271KR035M
		35*30	0.15	1.54	740	410	UHG2V271KS030M
330		30*45	0.15	1.78	610	340	UHG2V331KR045M
		35*35	0.15	1.78	610	340	UHG2V331KS035M
390		30*50	0.15	1.98	510	285	UHG2V391KR050M
		35*40	0.15	1.98	510	285	UHG2V391KS040M
470	35*45	0.15	2.27	425	240	UHG2V471KS045M	
560	35*50	0.15	2.55	355	200	UHG2V561KS050M	
400 2G (450)	68	22*25	0.15	0.61	2930	1525	UHG2G680KP025M
	82	25*25	0.15	0.80	2430	1265	UHG2G820KQ025M
	100	22*30	0.15	0.98	2000	1035	UHG2G101KP030M
	120	22*35	0.15	1.08	1660	865	UHG2G121KP035M
		25*30	0.15	1.08	1660	865	UHG2G121KQ030M
		30*25	0.15	1.08	1660	865	UHG2G121KR025M
	150	22*40	0.15	1.16	1330	690	UHG2G151KP040M
		25*35	0.15	1.16	1330	690	UHG2G151KQ035M
	180	25*40	0.15	1.29	1110	575	UHG2G181KQ040M
		30*30	0.15	1.29	1110	575	UHG2G181KR030M
		35*25	0.15	1.29	1110	575	UHG2G181KS025M
	220	25*45	0.15	1.41	910	475	UHG2G221KQ045M
		30*35	0.15	1.41	910	475	UHG2G221KR035M
	270	25*50	0.15	1.59	740	385	UHG2G271KQ050M
		30*40	0.15	1.59	740	385	UHG2G271KR040M
		35*30	0.15	1.59	740	385	UHG2G271KS030M
	330	30*45	0.15	1.80	610	315	UHG2G331KR045M
		35*35	0.15	1.80	610	315	UHG2G331KS035M
	390	30*50	0.15	2.03	510	265	UHG2G391KR050M
		35*40	0.15	2.03	510	265	UHG2G391KS040M
470	35*45	0.15	2.33	425	220	UHG2G471KS045M	
560	35*50	0.15	2.64	355	185	UHG2G561KS050M	
680	35*60	0.15	2.82	305	165	UHG2G681KS060M	
450 2W (500)	56	22*30	0.20	0.71	4740	2370	UHG2W560KP030M
	68	22*30	0.20	0.81	3910	1960	UHG2W680KP030M
		25*25	0.20	0.81	3910	1960	UHG2W680KQ025M
	82	22*35	0.20	1.04	3240	1620	UHG2W820KP035M
		25*30	0.20	1.04	3240	1620	UHG2W820KQ030M

◆ STANDARD RATING

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L(mm)	tanδ 20°C, 120Hz	Ripple current 105°C, 120Hz (Arms)	Max ESR 20°C, 120Hz(mΩ)	ESR(typ.) 20°C, 120Hz(mΩ)	Part number
450 2W (500)	100	22*40	0.20	1.29	2655	1330	UHG2W101KP040M
		25*30	0.20	1.29	2655	1330	UHG2W101KQ030M
		30*25	0.20	1.29	2655	1330	UHG2W101KR025M
	120	22*45	0.20	1.38	2215	1110	UHG2W121KP045M
		25*35	0.20	1.38	2215	1110	UHG2W121KQ035M
	150	25*40	0.20	1.61	1770	885	UHG2W151KQ040M
		30*30	0.20	1.61	1770	885	UHG2W151KR030M
		35*25	0.20	1.61	1770	885	UHG2W151KS025M
	180	25*45	0.20	1.97	1475	740	UHG2W181KQ045M
		30*35	0.20	1.97	1475	740	UHG2W181KR035M
	220	25*50	0.20	2.15	1210	610	UHG2W221KQ050M
		30*40	0.20	2.15	1210	610	UHG2W221KR040M
		35*30	0.20	2.15	1210	610	UHG2W221KS030M
	270	30*45	0.20	2.33	990	500	UHG2W271KR045M
		35*35	0.20	2.33	990	500	UHG2W271KS035M
	330	30*50	0.20	2.70	810	410	UHG2W331KR050M
		35*40	0.20	2.70	810	410	UHG2W331KS040M
	390	35*45	0.20	3.05	685	340	UHG2W391KS045M
470	35*50	0.20	3.39	565	290	UHG2W471KS050M	
560	35*50	0.20	3.56	360	320	UHG2W561KS050M	

- The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 10°C rise.
- When long life performance is required in actual use, the rms ripple current has to be reduced.