

# UPF Series (For Pulse Application)

- Compliant to the RoHS directive
- Compact design with outstanding reliability
- High charge / Discharge proof, polar with Solar lug & Snap-in type
- For photoflash & medical appliance application

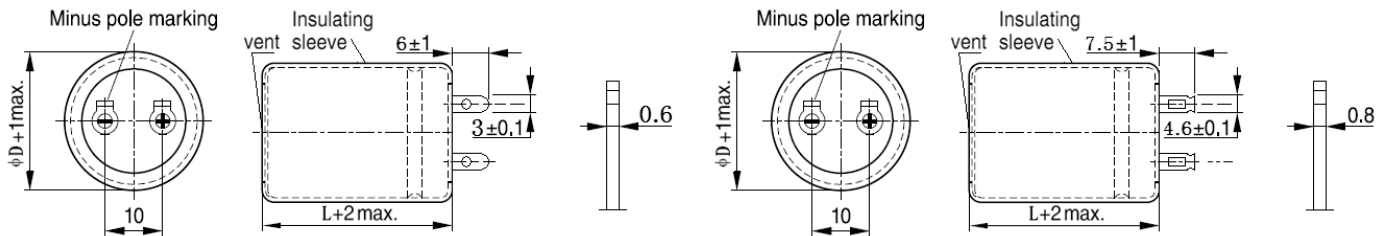


## ◆ SPECIFICATIONS

Specification	Specification	
Operating range	-40°C ~ + 60°C	
Rated voltage range	330V ~ 450V	
Capacitance tolerance	±20% (20°C, 120Hz)	
Leakage current	$I \leq 1 \times C$ (µA) (20°C, after 5 minutes) C=Nominal capacitance(µF), I= Leakage current (µA)	
Dissipation factor (20°C,120Hz)	UR(V)	330 ~ 450
	tanδ	0.15
Charge and Discharge	Charge and discharge at rated voltage at 5 ~ 35°C in every 30 seconds for 5000 times via Xe flash tube with discharge resistance of 0.7-1Ω:	
	Capacitance change	Within ±20% of initial value
	Dissipation factor	Not more than 150% of specified value
	Leakage current	Not more than 150% of specified value
Useful life	> 100000 discharges at: Case temperature ≤ 60 °C    ΔC/C ≤ ±20% of initial value Discharge repetition rate ≥ 2 s    tan δ ≤ 3 times initial specified limit Max. discharges per week ≤ 5000    I <sub>leak</sub> ≤ initial specified limit Charge resistance > 10 Ω Discharge resistance > 0.5 Ω	
Standard	JIS C 5101-4	

## ◆ Drawing

Unit:mm



**◆ STANDARD RATING**

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L (mm)	tanδ 20°C, 120Hz	Part number
330 2M (350)	180	22*25	0.15	UPF2M181KP025M
	200	22*30	0.15	UPF2M201KP030M
		25*25	0.15	UPF2M201KQ025M
	250	22*30	0.15	UPF2M251KP030M
		25*30	0.15	UPF2M251KQ030M
	300	22*35	0.15	UPF2M301KP035M
		25*30	0.15	UPF2M301KQ030M
	350	22*40	0.15	UPF2M351KP040M
		25*35	0.15	UPF2M351KQ035M
	400	22*45	0.15	UPF2M401KP045M
		25*40	0.15	UPF2M401KQ040M
		30*30	0.15	UPF2M401KR030M
	450	22*50	0.15	UPF2M451KP050M
		25*45	0.15	UPF2M451KQ045M
		30*30	0.15	UPF2M451KR030M
	500	25*50	0.15	UPF2M501KQ050M
		30*35	0.15	UPF2M501KR035M
	600	30*35	0.15	UPF2M601KR035M
		35*30	0.15	UPF2M601KS030M
	700	30*40	0.15	UPF2M701KR040M
		35*30	0.15	UPF2M701KS030M
	800	30*45	0.15	UPF2M801KR045M
		35*35	0.15	UPF2M801KS035M
	900	30*45	0.15	UPF2M901KR045M
		35*35	0.15	UPF2M901KS035M
	1000	30*50	0.15	UPF2M102KR050M
		35*40	0.15	UPF2M102KS040M
	1200	30*60	0.15	UPF2M122KR060M
35*45		0.15	UPF2M122KS045M	
1300	35*45	0.15	UPF2M132KS045M	
1500	35*50	0.15	UPF2M152KS050M	
360 2N (390)	180	25*25	0.15	UPF2N181KQ025M
	200	22*30	0.15	UPF2N201KP030M
		25*30	0.15	UPF2N201KQ030M
	250	22*35	0.15	UPF2N251KP035M
		25*30	0.15	UPF2N251KQ030M
		30*25	0.15	UPF2N251KR025M
	300	22*40	0.15	UPF2N301KP040M
		25*35	0.15	UPF2N301KQ035M
		30*30	0.15	UPF2N301KR030M
	350	22*45	0.15	UPF2N351KP045M
		25*40	0.15	UPF2N351KQ040M
		30*30	0.15	UPF2N351KR030M
	400	22*50	0.15	UPF2N401KP050M
		25*45	0.15	UPF2N401KQ045M
		30*35	0.15	UPF2N401KR035M
	450	25*50	0.15	UPF2N451KQ050M
		30*35	0.15	UPF2N451KR035M
	500	25*60	0.15	UPF2N601KQ060M
		30*40	0.15	UPF2N501KR040M
	600	30*40	0.15	UPF2N601KR040M
		35*35	0.15	UPF2N601KS035M
	700	30*45	0.15	UPF2N701KR045M
		35*35	0.15	UPF2N701KS035M

Rated Voltage code (V.DC)	Capacitance (μF)	Case size ΦD×L (mm)	tanδ 20°C, 120Hz	Part number	
360 2N (390)	800	30*50	0.15	UPF2N801KR050M	
		35*40	0.15	UPF2N801KS040M	
	900	30*60	0.15	UPF2N901KR060M	
		35*40	0.15	UPF2N901KS040M	
	1000	30*60	0.15	UPF2N102KR060M	
		35*45	0.15	UPF2N102KS045M	
1100	35*50	0.15	UPF2N112KS050M		
400 2G (430)	180	22*35	0.15	UPF2G181KP035M	
		25*30	0.15	UPF2G181KQ030M	
	200	22*40	0.15	UPF2G201KP030M	
		25*35	0.15	UPF2G201KQ030M	
	250	22*45	0.15	UPF2G251KP045M	
		25*40	0.15	UPF2G251KQ040M	
	300	25*45	0.15	UPF2G301KQ045M	
		30*35	0.15	UPF2G301KR035M	
	350	25*50	0.15	UPF2G351KQ050M	
		30*35	0.15	UPF2G351KR035M	
	400	25*50	0.15	UPF2G401KQ050M	
		30*40	0.15	UPF2G401KR035M	
	450	30*45	0.15	UPF2G451KR045M	
		35*35	0.15	UPF2G451KS035M	
	500	30*45	0.15	UPF2G501KR045M	
		35*35	0.15	UPF2G501KS035M	
	600	30*50	0.15	UPF2G601KR050M	
		35*40	0.15	UPF2G601KS035M	
	700	30*55	0.15	UPF2G701KR055M	
		35*45	0.15	UPF2G701KS045M	
	800	30*60	0.15	UPF2G801KR060M	
		35*50	0.15	UPF2G801KS050M	
	900	35*55	0.15	UPF2G901KS055M	
	1000	35*60	0.15	UPF2G102KS060M	
	450 2W (480)	180	22*40	0.15	UPF2W181KP040M
			25*35	0.15	UPF2W181KQ035M
		200	22*45	0.15	UPF2W201KP045M
			25*40	0.15	UPF2W201KQ040M
250		22*50	0.15	UPF2W251KP050M	
		25*45	0.15	UPF2W251KQ045M	
300		25*50	0.15	UPF2W301KQ050M	
		30*40	0.15	UPF2W301KR040M	
350		25*55	0.15	UPF2W351KQ055M	
		30*45	0.15	UPF2W351KR045M	
400		25*60	0.15	UPF2W401KQ060M	
		30*50	0.15	UPF2W401KR050M	
450		22*60	0.15	UPF2W451KP060M	
		25*60	0.15	UPF2W451KQ060M	
		30*50	0.15	UPF2W451KR050M	
500		30*55	0.15	UPF2W501KR055M	
		35*40	0.15	UPF2W561KS040M	
560		35*45	0.15	UPF2W561KS045M	
680	35*50	0.15	UPF2W681KS050M		
800	35*55	0.15	UPF2W801KS055M		
900	35*60	0.15	UPF2W901KS060M		