

U _R (Surge Voltage) Code	Rated Capacitance	Max. ESR 20°C, 120Hz	Typ ESR 20°C, 120Hz	Rated Ripple Current 85°C, 120Hz	Size ΦDxL	P/N
(V)	(µF)	(mΩ)	(mΩ)	(Arms)	(mm)	-
400	1000	215	82	5.00	51X83	ARC78PV100RS083
	1200	179	70	5.50	51X83	ARC78PV120RS083
	1500	143	50	6.70	51X96	ARC78PV150RS096
	1800	119	40	7.40	51X96	ARC78PV180RS096
	2200	98	28	9.20	51X130	ARC78PV220RS130
	2700	80	23	9.90	64X96	ARC78PV270RS096
	3300	65	21	11.80	64X115	ARC78PV330RS115
	3900	55	19	13.50	64X130	ARC78PV390RS130
	4700	46	15	14.90	77X115	ARC78PV470RS115
	5600	39	14	17.00	77X130	ARC78PV560RS130
	6300	32	13	20.20	77X155	ARC78PV630RS155
	8200	26	12	23.50	90X157	ARC78PV820RS157
	10000	22	10	25.90	90X157	ARC78PV100XS157
	12000	18	8	31.00	90X196	ARC78PV120XS196
	15000	14	6	37.50	90X236	ARC78PV150XS236

Items	Characteristics
Operating Temperature Range(°C)	-40 ~ +85
Voltage Range (V)	350~450
Capacitance Range(µF)	1000~18000
Capacitance Tolerance (20°C,120Hz)	±20%
Leakage Current (µA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 5mA, whichever is smaller . C: Nominal Capacitance(µF) V: Rated Voltage(V)
Dissipation Factor (20°C, 120Hz)	Less than 0.15
Stability at Low Temperature(120Hz)	$C_{-25°C} / C_{+20°C} \geq 0.7$

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	>10000h	>100000h	5000h	5000h	1000h
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value
Capacitance Change	Within ±30% of initial value		Within ±20% of initial value	Within ±10% of initial value	Within ±20% of initial value
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value	Not more than 130% of specified value	Not more than 200% of specified value
Condition: Applied Voltage Applied Current Applied Temperature	U _R I _R 85°C	U _R 1.2 × I _R 40°C	U _R I _R 85°C	U _R I _R = 0 85°C	U _R = 0 I _R = 0 85°C

After test:
U_R to be applied for
60min>24h before
measurement

