



## Ratings for HPF Series

U <sub>R</sub> Code	Rated Capacitance 20°C, 120Hz	Max ESR 20°C, 100kHz	Rated Ripple Current 105°C, 100kHz	Dissipation Factor 20°C, 120Hz	Leakage Current 20°C, 2min	Size ΦD×L	P/N
(V)	(μF)	(mΩ)	(mA <sub>rms</sub> )	(%)	(μA)	(mm)	-
16 1C	100	38	1,900	12	320	5x5	PCR1CPF101ME05□□
	150	25	2,800	12	480	6.3x5	PCR1CPF151MF05□□
	180	25	2,800	12	576	6.3x5	PCR1CPF181MF05□□
	270	22	3,300	12	864	6.3x8	PCR1CPF271MF08□□
	330	22	3,300	12	1,056	6.3x8	PCR1CPF331MF08□□
	270	22	3,300	12	864	8x6	PCR1CPF271MB06□□
	330	22	3,300	12	1,056	8x6	PCR1CPF331MB06□□
	470	16	4,400	12	1,504	8x8	PCR1CPF471MB08□□
	560	16	4,400	12	1,782	8x8	PCR1CPF561MB08□□
	470	14	4,950	12	1,504	8x11.5	PCR1CPF471MBAB□□
	560	14	4,950	12	1,792	8x11.5	PCR1CPF561MBAB□□
	680	14	4,950	12	2,176	8x11.5	PCR1CPF681MBAB□□
	1000	12	5,400	12	3,200	10x12.5	PCR1CPF102MCAC□□
1200	12	5,400	12	3,840	10x12.5	PCR1CPF122MCAC□□	
20 1D	68	40	1,900	12	272	5x5	PCR1CPF680ME05□□
	82	40	1,900	12	328	5x5	PCR1CPF820ME05□□
	120	28	2,650	12	480	6.3x5	PCR1DPF121MF05□□
	150	28	2,650	12	600	6.3x5	PCR1DPF151MF05□□
	220	24	3,200	12	880	6.3x8	PCR1DPF221MF08□□
	220	24	3,200	12	880	8x6	PCR1DPF221MB06□□
	270	24	3,200	12	1,080	8x6	PCR1DPF271MB06□□
	330	17	4,300	12	1,320	8x8	PCR1DPF331MB08□□
	390	17	4,300	12	1,560	8x8	PCR1DPF391MB08□□
	390	14	4,950	12	1,560	8x11.5	PCR1DPF391MBAB□□
	470	14	4,950	12	1,880	8x11.5	PCR1DPF471MBAB□□
	560	14	4,950	12	2,240	8x11.5	PCR1DPF561MBAB□□
	560	12	5,400	12	2,240	10x12.5	PCR1DPF561MCAC□□
680	12	5,400	12	2,720	10x12.5	PCR1DPF681MCAC□□	
820	12	5,400	12	3,280	10x12.5	PCR1DPF821MCAC□□	
25 1E	56	50	1,700	12	280	5x5	PCR1EPF560ME05□□
	68	50	1,700	12	340	5x5	PCR1EPF680ME05□□
	100	30	2,550	12	500	6.3x5	PCR1EPF101MF05□□
	120	30	2,550	12	600	6.3x5	PCR1EPF121MF05□□
	180	24	3,200	12	900	6.3x8	PCR1EPF181MF08□□
	180	24	3,200	12	900	8x6	PCR1EPF181MB06□□
	220	24	3,200	12	1,100	8x6	PCR1EPF221MB06□□
	270	18	4,100	12	1,350	8x8	PCR1EPF271MB08□□
	330	18	4,100	12	1,650	8x8	PCR1EPF331MB08□□
	330	16	4,650	12	1,650	8x11.5	PCR1EPF331MBAB□□
	390	16	4,650	12	1,950	8x11.5	PCR1EPF391MBAB□□
	470	16	4,650	12	2,350	8x11.5	PCR1EPF471MBAB□□
	470	14	5,000	12	2,350	10x12.5	PCR1EPF471MCAC□□
560	14	5,000	12	2,800	10x12.5	PCR1EPF561MCAC□□	
680	14	5,000	12	3,400	10x12.5	PCR1EPF681MCAC□□	
28 1L	47	50	1,700	12	263	5x5	PCR1LPF470ME05□□
	82	33	2,450	12	459	6.3x5	PCR1LPF820MF05□□
	150	28	2,950	12	840	6.3x8	PCR1LPF151MF08□□
	150	28	2,950	12	840	8x6	PCR1LPF151MB06□□
	180	22	3,700	12	1,008	8x8	PCR1LPF181MB08□□
	220	22	3,700	12	1,232	8x8	PCR1LPF221MB08□□
	270	18	4,350	12	1,512	8x11.5	PCR1LPF271MBAB□□
	330	18	4,350	12	1,848	8x11.5	PCR1LPF331MBAB□□
	470	16	4,650	12	2,632	10x12.5	PCR1LPF471MCAC□□
560	16	4,650	12	3,136	10x12.5	PCR1LPF561MCAC□□	
32 1F	39	55	1,600	12	250	5x5	PCR1FPF390ME05□□
	68	35	2,350	12	435	6.3x5	PCR1FPF680MF05□□
	120	30	2,800	12	768	6.3x8	PCR1FPF121MF08□□
	120	30	2,800	12	768	8x6	PCR1FPF121MB06□□
	180	24	3,600	12	1,152	8x8	PCR1FPF181MB08□□
	220	20	4,000	12	1,408	8x11.5	PCR1FPF221MBAB□□
	270	20	4,000	12	1,728	8x11.5	PCR1FPF271MBAB□□
	390	18	4,400	12	2,496	10x12.5	PCR1FPF391MCAC□□
470	18	4,400	12	3,008	10x12.5	PCR1FPF471MCAC□□	
35 1V	33	55	1,600	12	231	5x5	PCR1VPF330ME05□□
	47	35	2,350	12	329	6.3x5	PCR1VPF470MF05□□
	56	35	2,350	12	392	6.3x5	PCR1VPF560MF05□□
	100	30	2,800	12	700	6.3x8	PCR1VPF101MF08□□
	100	30	2,800	12	700	8x6	PCR1VPF101MB06□□
	150	24	3,600	12	1,050	8x8	PCR1VPF151MB08□□
	180	24	3,600	12	1,260	8x11.5	PCR1VPF181MB08□□
	220	20	4,000	12	1,540	8x11.5	PCR1VPF221MBAB□□
	330	18	4,400	12	2,310	10x12.5	PCR1VPF331MCAC□□
390	18	4,400	12	2,730	10x12.5	PCR1VPF391MCAC□□	

## Ratings for HPF Series

U <sub>R</sub> Code	Rated Capacitance 20°C, 120Hz	Max ESR 20°C, 100kHz	Rated Ripple Current 105°C, 100kHz	Dissipation Factor 20°C, 120Hz	Leakage Current 20°C, 2min	Size ΦD×L	P/N
(V)	(μF)	(mΩ)	(mArms)	(%)	(μA)	(mm)	-
40 1G	22	60	1,550	12	176	5x5	PCR1GPF220ME05□□
	33	40	2,200	12	264	6.3x5	PCR1GPF330MF05□□
	39	37	2,300	12	312	6.3x5	PCR1GPF390MF05□□
	82	32	2,700	12	656	6.3x8	PCR1GPF820MF08□□
	82	32	2,700	12	656	8x6	PCR1GPF820MB08□□
	120	26	3,500	12	960	8x8	PCR1GPF121MB08□□
	150	26	3,500	12	1,200	8x11.5	PCR1GPF151MBAB□□
	220	18	4,400	12	1,760	10x12.5	PCR1GPF221MCAC□□
	270	18	4,400	12	2,160	10x12.5	PCR1GPF271MCAC□□
	330	18	4,400	12	2,640	10x12.5	PCR1GPF331MCAC□□
50 1H	10	70	1,400	12	100	5x5	PCR1HPF100ME05□□
	12	70	1,400	12	120	5x5	PCR1HPF120ME05□□
	22	40	2,200	12	220	6.3x5	PCR1HPF220MF05□□
	39	35	2,600	12	390	6.3x8	PCR1HPF390MF08□□
	33	35	2,600	12	330	8x6	PCR1HPF330MB08□□
	39	35	2,600	12	390	8x6	PCR1HPF390MB06□□
	56	29	3,300	12	560	8x8	PCR1HPF560MB08□□
	68	29	3,300	12	680	8x8	PCR1HPF680MB08□□
	82	25	3,800	12	820	8x11.5	PCR1HPF820MBAB□□
	100	25	3,800	12	1,000	8x11.5	PCR1HPF101MBAB□□
63 1J	100	20	4,300	12	1,000	10x12.5	PCR1HPF101MCAC□□
	120	20	4,300	12	1,200	10x12.5	PCR1HPF121MCAC□□
	150	20	4,300	12	1,500	10x12.5	PCR1HPF151MCAC□□
	10	50	1,950	12	126	6.3x5	PCR1JPF100MF05□□
	12	50	1,950	12	151	6.3x5	PCR1JPF120MF05□□
	22	45	2,350	12	277	6.3x8	PCR1JPF220MF08□□
	22	45	2,350	12	277	8x6	PCR1JPF220MB06□□
	27	45	2,350	12	340	8x6	PCR1JPF270MB06□□
	33	30	3,200	12	416	8x8	PCR1JPF330MB08□□
	39	30	3,200	12	491	8x8	PCR1JPF390MB08□□
80 1K	47	26	3,600	12	592	8x11.5	PCR1JPF470MBAB□□
	56	26	3,600	12	706	8x11.5	PCR1JPF560MBAB□□
	56	22	4,100	12	706	10x12.5	PCR1JPF560MCAC□□
	68	22	4,100	12	857	10x12.5	PCR1JPF680MCAC□□
	82	22	4,100	12	1,033	10x12.5	PCR1JPF820MCAC□□
	100	22	4,100	12	1,260	10x12.5	PCR1JPF101MCAC□□
	22	36	2,900	12	352	8x8	PCR1KPF220MB08□□
	27	36	2,900	12	432	8x8	PCR1KPF270MB08□□
	33	32	3,200	12	528	8x11.5	PCR1KPF330MBAB□□
	39	32	3,200	12	624	8x11.5	PCR1KPF390MBAB□□
2A 100	47	28	3,600	12	752	10x12.5	PCR1KPF470MCAC□□
	56	28	3,600	12	896	10x12.5	PCR1KPF560MCAC□□
	12	36	3,000	12	240	8x11.5	PCR2APF120MBAB□□
	15	36	3,000	12	300	8x11.5	PCR2APF150MBAB□□
2B 125	22	32	3,300	12	440	10x12.5	PCR2APF220MCAC□□
	27	32	3,300	12	540	10x12.5	PCR2APF270MCAC□□
	10	45	2,700	12	250	8x11.5	PCR2BPF100MBAB□□
	12	45	2,700	12	300	8x11.5	PCR2BPF120MBAB□□
2C 160	18	40	3,000	12	450	10x12.5	PCR2BPF180MCAC□□
	22	40	3,000	12	550	10x12.5	PCR2BPF220MCAC□□
	8.2	70	2,100	12	262	8x11.5	PCR2CPF8R2MBAB□□
	10	60	2,400	12	320	10x12.5	PCR2CPF100MCAC□□
2D 200	12	60	2,400	12	384	10x12.5	PCR2CPF120MCAC□□
	4.7	120	1,600	12	188	8x11.5	PCR2DPF4R7MBAB□□
	8.2	100	1,850	12	328	10x12.5	PCR2DPF8R2MCAC□□
	10	100	1,850	12	400	10x12.5	PCR2DPF100MCAC□□

Customer products are available on request.

### Frequency coefficient for ripple current

Frequency	120Hz ≤ f < 1kHz	1kHz ≤ f < 10kHz	10kHz ≤ f < 100kHz	100kHz ≤ f < 500kHz
Coefficient	0.05	0.3	0.7	1