

125°C Super Low ESR • High Reliability

HEP series



Specifications

Items		Specifications							
Rated voltage (V)		16	25	35	40	50	63	80	100
Surge voltage (V)		20	32	44	50	63	79	100	125
Category temperature range (°C)		-55 to +125							
Capacitance tolerance (%)		±20							
Leakage current(LC) (µA MAX/after 2min)		The greater value of either 0.05CV or 100							
Tangent of loss angle(DF) (MAX) 120Hz/20°C		0.16							
Endurance 125°C rated voltage applied (Applied ripple current)	Test	16V	φ 6.3 : 1,500hrs., D ≥ φ 8 : 2,500hrs.						
		25V ≤	φ 6.3 : 2,000hrs., D ≥ φ 8 : 3,000hrs.						
	Δ C/C		Within ±30% of the initial value						
	tan δ		≤ 2 times the initial specified value						
	ESR		≤ 2 times the initial specified value						
	LC		≤ The initial specified value						

Marking, Dimensions

Φd	L	F	d
6.3	7.2	2.5	0.45
8	9.5	3.5	0.6
10	9.5	5.0	0.7
10	11.5	5.0	0.7

Size list (mm), ESR [mΩ MAX./100kHz, 20°C], Rated ripple current [mA rms/100kHz, 125°C]

V µF	16			25			35			40		
	SIZE ΦD×L	ESR	RIPPLE CURREN T	SIZE ΦD×L	ESR	RIPPLE CURREN T	SIZE ΦD×L	ESR	RIPPLE CURREN T	SIZE ΦD×L	ESR	RIPPLE CURREN T
27										6.3×7.2	70	870
47							6.3×7.2	60	910			
56										8×9.5	32	1220
68				6.3×7.2	45	980						
100							8×9.5	30	1260	10×9.5	24	1440
120	6.3×7.2	40	1040							10×11.5	18	1650
150				8×9.5	27	1330	10×9.5	23	1480			
220							10×11.5	17	1700			
270	8×9.5	26	1540	10×9.5	22	1520						
330				10×11.5	17	1740						
470	10×9.5	21	2010									
560	10×11.5	15	2320									

V µF	50			63			80			100		
	SIZE ΦD×L	ESR	RIPPLE CURREN T	SIZE ΦD×L	ESR	RIPPLE CURREN T	SIZE ΦD×L	ESR	RIPPLE CURREN T	SIZE ΦD×L	ESR	RIPPLE CURREN T
10				6.3×7.2	100	740				10×9.5	80	870
12							10×9.5	70	900	10×9.5	80	870
15	6.3×7.2	80	840				10×9.5	70	900	10×11.5	60	1000
18							10×11.5	50	1100			
22				8×9.5	40	1090						
33				8×9.5★	40	1090						
47	8×9.5	35	1170	10×9.5	30	1260						
56	10×9.5	25	1390	10×9.5	30	1260						
82	10×11.5	19	1590	10×11.5	22	1440						

Please refer to page 20 for the ripple current frequency coefficient.

Model No.

★S type

