

HP series

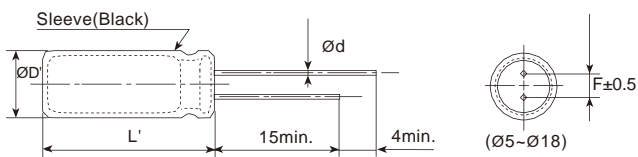
- Standard bi-polarized series
- Endurance: +105°C 1,000 hours
- RoHS Compliant



SPECIFICATIONS

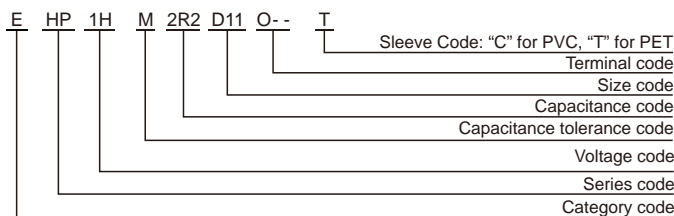
Items	Characteristics									
Category Temperature Range	-40~+105°C									
Rated Voltage Range	6.3~100 V _{dc}									
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)									
Leakage Current	I 0.06CV or 10μA, whichever is greater. (at 20°C after 2 minutes) I 0.03CV or 3μA, whichever is greater. (at 20°C after 5 minutes) Where, I: Max. leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V)									
Dissipation Factor (tan δ)	Rated Voltage(V _{dc})	6.3	10	16	25	35	50	63	100	
	tan δ (max.)	0.24	0.24	0.20	0.20	0.16	0.14	0.12	0.10	
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 120Hz)									
Low Temperature Characteristics (Max. Impedance Ratio)	Rated Voltage(V _{dc})	6.3	10	16	25	35	50	63	100	
	Z(-25°C)/Z(+20°C)	4	3	2						
	Z(-40°C)/Z(+20°C)	10	8	6	4	3				
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1,000 hours at 105°C with the polarity inverted every 250 hours.									
	Capacitance Change	±20% of the initial value								
	D.F. (tan δ)	150% of the initial specified value								
	Leakage Current	The initial specified value								
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied.									
	Capacitance Change	±20% of the initial value								
	D.F. (tan δ)	150% of the initial specified value								
	Leakage Current	200% of the initial specified value								

DIMENSIONS[mm]



øD	5	6.3	8		10	12.5	16	18
ød	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5		5.0	5.0	7.5	7.5
øD'	øD+0.5max.							
L'	L+2max.							

PART NUMBERING SYSTEM



HP series

■ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Size DxL(mm)	tan	Rated ripple current (mA _{rms} /105°C, 120Hz)	Part Number
6.3(0J)	33	5x11	0.24	45	EHP0JM330D11OT
	47	5x11	0.24	54	EHP0JM470D11OT
	100	6.3x11	0.24	90	EHP0JM101E11OT
	220	8x11	0.24	150	EHP0JM221F11OT
	330	8x11	0.24	185	EHP0JM331F11OT
	470	10x12.5	0.24	260	EHP0JM471G1BOT
	1000	10x20	0.24	460	EHP0JM102G20OT
	2200	12.5x25	0.26	820	EHP0JM222W25OT
	3300	16x25	0.28	1110	EHP0JM332L25OT
	4700	16x30	0.30	1430	EHP0JM472L30OT
6800	18x35	0.34	1830	EHP0JM682M35OT	
10(1A)	22	5x11	0.24	37	EHP1AM220D11OT
	33	5x11	0.24	45	EHP1AM330D11OT
	47	5x11	0.24	54	EHP1AM470D11OT
	100	6.3x11	0.24	90	EHP1AM101E11OT
	220	8x11	0.24	150	EHP1AM221F11OT
	330	10x16	0.24	240	EHP1AM331G16OT
	470	10x16	0.24	290	EHP1AM471G16OT
	1000	12.5x20	0.24	510	EHP1AM102W20OT
	2200	16x25	0.26	910	EHP1AM222L25OT
	3300	16x30	0.28	1200	EHP1AM332L30OT
4700	18x35	0.30	1520	EHP1AM472M35OT	
16(1C)	10	5x11	0.20	27	EHP1CM100D11OT
	22	5x11	0.20	40	EHP1CM220D11OT
	33	5x11	0.20	49	EHP1CM330D11OT
	47	6.3x11	0.20	67	EHP1CM470E11OT
	100	8x11	0.20	110	EHP1CM101F11OT
	220	10x12.5	0.20	195	EHP1CM221G1BOT
	330	10x16	0.20	265	EHP1CM331G16OT
	470	10x20	0.20	345	EHP1CM471G20OT
	1000	12.5x25	0.20	605	EHP1CM102W25OT
	2200	16x30	0.22	1070	EHP1CM222L30OT
3300	18x35	0.24	1400	EHP1CM332M35OT	
25(1E)	10	5x11	0.20	27	EHP1EM100D11OT
	22	5x11	0.20	46	EHP1EM220D11OT
	33	6.3x11	0.20	56	EHP1EM330E11OT
	47	6.3x11	0.20	67	EHP1EM470E11OT
	100	8x11	0.20	110	EHP1EM101F11OT
	220	10x16	0.20	215	EHP1EM221G16OT
	330	12.5x20	0.20	320	EHP1EM331W20OT
	470	12.5x20	0.20	380	EHP1EM471W20OT
	1000	16x25	0.20	670	EHP1EM102L25OT
	2200	18x35	0.22	1140	EHP1EM222M35OT
35(1V)	4.7	5x11	0.16	21	EHP1VM47R7D11OT
	10	5x11	0.16	30	EHP1VM100D11OT
	22	6.3x11	0.16	51	EHP1VM220E11OT
	33	8x11	0.16	72	EHP1VM330F11OT
	47	8x11	0.16	86	EHP1VM470F11OT
	100	10x16	0.16	160	EHP1VM101G16OT

WV (Vdc)	Cap (μF)	Size DxL(mm)	tan	Rated ripple current (mA _{rms} /105°C, 120Hz)	Part Number
35(1V)	220	12.5x20	0.16	290	EHP1VM221W20OT
	330	12.5x20	0.16	350	EHP1VM331W20OT
	470	12.5x25	0.16	465	EHP1VM471W25OT
	1000	16x30	0.16	805	EHP1VM102L30OT
	0.47	5x11	0.14	7.0	EHP1HMR47D11OT
50(1H)	1.0	5x11	0.14	10	EHP1HM010D11OT
	2.2	5x11	0.14	15	EHP1HM2R2D11OT
	3.3	5x11	0.14	18	EHP1HM3R3D11OT
	4.7	5x11	0.14	22	EHP1HM4R7D11OT
	10	6.3x11	0.14	37	EHP1HM100E11OT
	22	8x11	0.14	63	EHP1HM220F11OT
	33	8x11	0.14	77	EHP1HM330F11OT
	47	10x12.5	0.14	105	EHP1HM470G1BOT
	100	10x20	0.14	190	EHP1HM101G20OT
	220	12.5x25	0.14	340	EHP1HM221W25OT
63(1J)	330	16x25	0.14	460	EHP1HM331L25OT
	470	16x30	0.14	590	EHP1HM471L30OT
	3.3	5x11	0.12	20	EHP1JM3R3D11OT
	4.7	6.3x11	0.12	24	EHP1JM4R7E11OT
	10	6.3x11	0.12	40	EHP1JM100E11OT
	22	8x11	0.12	68	EHP1JM220F11OT
	33	10x12.5	0.12	98	EHP1JM330G1BOT
	47	10x16	0.12	130	EHP1JM470G16OT
	100	12.5x20	0.12	225	EHP1JM101W20OT
	220	16x25	0.12	405	EHP1JM221L25OT
80(1B)	330	16x30	0.12	535	EHP1JM331L30OT
	470	18x35	0.12	680	EHP1JM471M35OT
	2.2	5x11	0.12	16	EHP1BM2R2D11OT
	3.3	6.3x11	0.12	23	EHP1BM3R3E11OT
	4.7	6.3x11	0.12	27	EHP1BM4R7E11OT
	10	8x11	0.12	46	EHP1BM100F11OT
	22	10x16	0.12	89	EHP1BM220G16OT
	33	10x16	0.12	105	EHP1BM330G16OT
	47	10x20	0.12	140	EHP1BM470G20OT
	100	12.5x25	0.12	245	EHP1BM101W25OT
100(1K)	220	16x30	0.12	435	EHP1BM221L30OT
	330	18x35	0.12	570	EHP1BM331M35OT
	0.47	5x11	0.10	8.0	EHP1KMR47D11OT
	1.0	5x11	0.10	12	EHP1KM010D11OT
	2.2	6.3x11	0.10	20	EHP1KM2R2E11OT
	3.3	6.3x11	0.10	25	EHP1KM3R3E11OT
	4.7	6.3x11	0.10	30	EHP1KM4R7E11OT
	10	8x11	0.10	50	EHP1KM100F11OT
	22	10x16	0.10	97	EHP1KM220G16OT
	33	12.5x20	0.10	140	EHP1KM330W20OT
35(1V)	47	12.5x20	0.10	170	EHP1KM470W20OT
	100	16x25	0.10	300	EHP1KM101L25OT
	220	18x35	0.10	510	EHP1KM221M35OT

单击下面可查看定价，库存，交付和生命周期等信息

[>>AISHI\(艾华\)](#)