ELCON

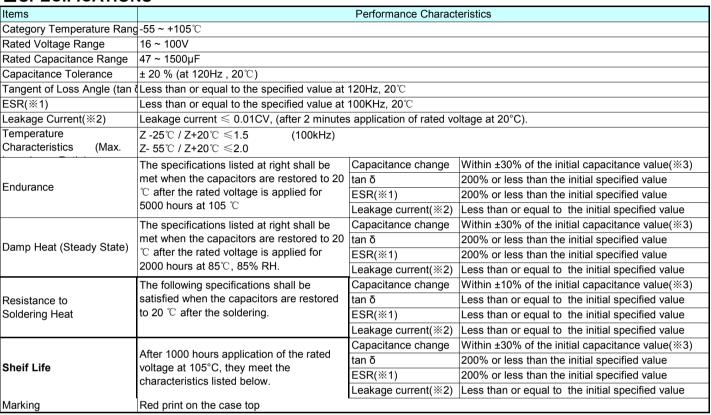
HPB

105℃ Standard

Series (Hybrid)

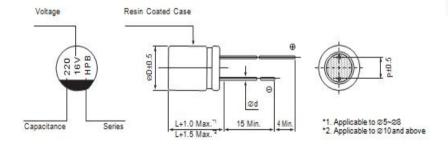
- 105°C Standard.
- Load life of 5000 hours at 105°C.
- Radial lead type: lead free flow soldering condition correspondence.
- RoHS Compliance(2011/65/EU)

■SPECIFICATIONS

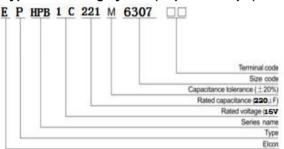


- X1 ESR should be measured at both of the terminal ends closest to the capacitor body.
- lpha2 Conditioning: If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minuters at 105 $^{\circ}$ C
- *3 Initial value: The value before test of examination of resistance to soldering.

■ Dimensions



Type numbering system(Exp:16V 220µF)



ΦxL(mm)

Size	6.3x7	6.3x11.5	8x12	10x12
ΦD	6.3	6.3	8	10.0
L	7	12	12	12
Р	2.5	2.5	3.5	5.0
Фф	0.5	0.6	0.6	0.6

Voltage

V	16	25	35	50	63	80	100
Code	1C	1E	1V	1H	1J	1K	2A

■ FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency	120Hz≶f≶1KHz	1KHz≶f≶10KHz	10KHz≶f≶100KHz	100KHz≶f≶300KHz
Coefficient	0.10	0.40	0.70	1.00

ELCON

HPB _{Series} (Hybrid)

■STANDARD RATINGS

Rated voltage (V)(code)	Surge Voltage (V)	Rated Cpacitance (µF)	Case Size ФD x L(mm)	tan δ	Leakage Current (µA)	ESR(mΩ) (at 100kHz 20 °C)	Rated Ripple (mArms)	Part Number
16 (1C) 18.4		220	6.3x7	0.16	35.2	27	2200	EPHPB1C221M6307
	19.4	330	6.3x11.5	0.16	52.8	25	2350	EPHPB1C331M6311
	10.4	820	8x12	0.16	131.2	20	2700	EPHPB1C821M0812
		1500	10x12	0.16	240	14	3400	EPHPB1C152M1012
		100	6.3x7	0.14	25	30	2000	EPHPB1E101M6307
25		150	6.3x7	0.14	37.5	30	2000	EPHPB1E151M6307
25 (1E)	28.7	220	6.3x11.5	0.14	55	27	2250	EPHPB1E221M6311
(1E)		470	8x12	0.14	117.5	23	2600	EPHPB1E471M0812
		680	10x12	0.14	170	15	3000	EPHPB1E681M1012
		100	6.3x7	0.12	35	35	2000	EPHPB1V101M6307
35	40.2	150	6.3x11.5	0.12	52.5	32	2250	EPHPB1V151M6311
(1V)	40.2	220	8x12	0.12	77	24	2500	EPHPB1V221M0812
		470	10x12	0.12	164.5	16	2900	EPHPB1V471M1012
		33	6.3x7	0.10	16.5	40	1600	EPHPB1H330M6307
50	F7 F	47	6.3x11.5	0.10	23.5	36	1750	EPHPB1H470M6311
(1H) 57.5	57.5	120	8x12	0.10	60	28	2000	EPHPB1H121M0812
		220	10x12	0.10	110	23	2200	EPHPB1H221M1012
63 (1J) 72.4	22	22	6.3x7	0.08	13.86	80	1500	EPHPB1J220M6307
	70.4	33	6.3x11.5	0.08	20.79	70	1600	EPHPB1J330M6311
	12.4	100	8x12	0.08	63	36	1800	EPHPB1J101M0812
		150	10x12	0.08	94.5	26	2000	EPHPB1J151M1012
80 (1K) 92	02	47	8x12	0.08	37.6	42	1750	EPHPB1K470M0812
	92	82	10x12	0.08	65.6	33	1850	EPHPB1K820M1012
100(2A)	115	47	10x12	0.08	47	60	1600	EPHPB2A470M1012