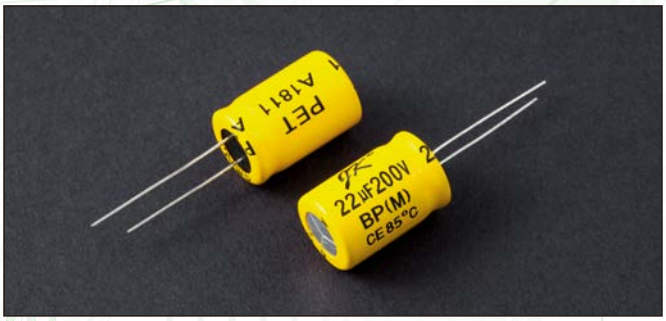
BP Series



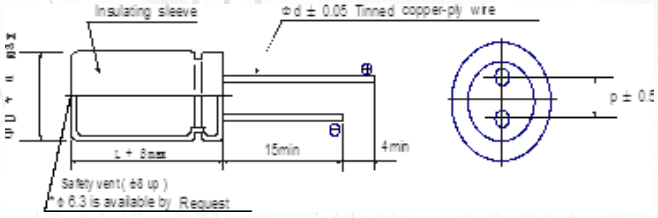
- Standard non-polarized series
- Designed for use in circuits with reversing polarity
- Load life of 1000 hours at 105
- Solvent-proof
- Rohs compliance.

■ SPECIFICATIONS

Item	Characteristics
Operating Temperature Range	- 40 ~ +105℃
Voltage Range	160 ~250 V.DC
Nominal Cap. Range	10 ~330 μF
Capacitance Tolerance	- 20% ~ + 20% (at 20℃, 120Hz)
Leakage Current	I = 0.03CV or 3(μA) whichever is greater.(after 5 min.) where,I: Max Leakage Current(μA), C: Nominal Capacitance(μF), V: Rated Voltage(V) (at 20 ℃)
Dissipation Factor (tanδ) (at 120Hz, +20℃)	WV: 160 / 200 / 250 tanδ: 0.08 / 0.08 / 0.08
Low Temp. Impedance Stability at 120Hz	W. V.: 160 / 200 / 250 Z(-25℃)/ Z(+20 ℃): 3 / 3 / 3 Z(-40℃)/ Z(+20 ℃): 4 / 4 / 4
High Temp. Load Test	105℃ 1,000 hours, at rated voltage, during which the polarity of DC voltage is reversed for each 500 hours, the capacitor shall meet the following limits: Capacitance change ..≦±20% of the initial measured value Tan δ ... ≦150% of the initial specified value DC leakage current .≦ the initial specified value
High Temp. Non-Load Test	After storage for 500 hours at 105℃ with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High temperature loading" can be met.

Note : Some cleaning solvents may adversely affect the capacitors . Consult us about the suitable type of cleaning solvents to be used.

●DRAWING



Unit :mm

ΦD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8
β	1.0			1.5			
α	0.5						

▼ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Freq.(HZ) / Cap(μF)	60(50)	120	300	1K	10K
10~ 47	0.75	1.00	1.35	1.55	2.0
68 ~ 330	0.80	1.00	1.25	1.34	1.5

◆ PART NUMBERING SYSTEM

BP	□□□	□	□□□	□	□□
Series	Rated Cap.	Cap. Tolerance	Rated Voltage	Case Size D	Case Size L

BP Series

■STANDARD RATINGS

WV(Vdc) / Parameter / Cap (μF)	160		200		250	
	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)
10	13 X 20	250	13 X 25	265	13 X 25	285
22	13 X 25	530	13 X 30	560	13 X 30	610
33	13 X 30	550	16 X 30	600	16 X 30	625
47	16 X 30	606	18 X 30	620	18 X 30	660
68	18 X 30	713	18 X 36	735	18 X 36	830
100	18 X 30	860	18 X 40	960	18 X 40	1080
220	22 X 40	1300	22 X 40	1450	22 X 40	1550
330	25 X 40	1530				

Rated Ripple Current (mArms) at 105℃ 120Hz

Case Size: ΦDxL (mm)