Aluminum Electrolytic Capacitors
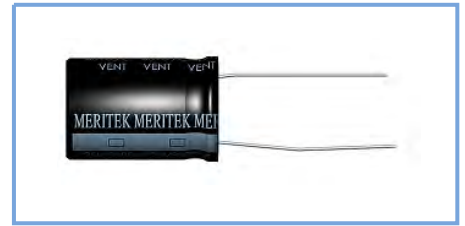
BP Series
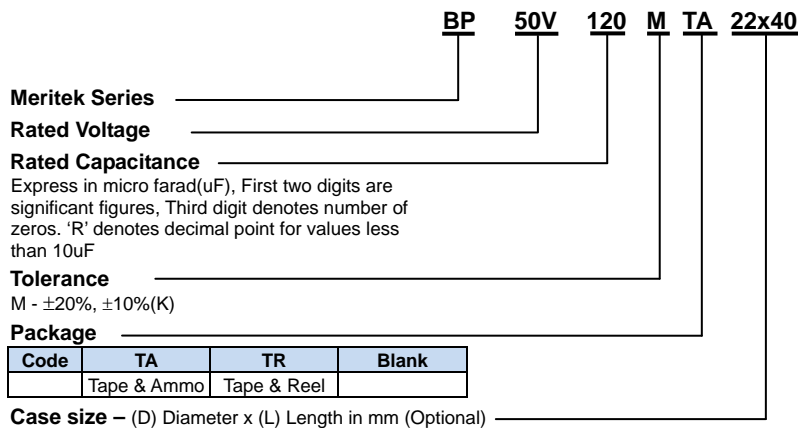### (Bi-Polarized, 85°C)

MERITEK

RoHS

FEATURES

- Have high frequency and high ripple current characteristics.
- Suitable for equalizing of horizontal deflection of TV sets and terminals.
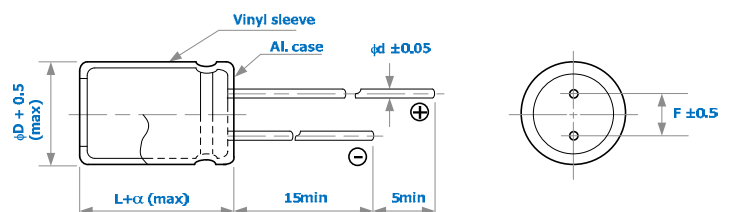
SPECIFICATIONS

Item	Characteristic				
Operating Temp Range	- 40 ~ +85°C				
Rated Working Voltage	25 ~ 50VDC				
Capacitance Tolerance (120Hz 20°C)	± 20%(M) , ±10%(K)				
Leakage Current (20°C)	100 (μA) After 5 minutes in both directions		I : Leakage Current (μA) C : Rated Capacitance(μF) V : Working Voltage (V)		
Surge Voltage (20°C)	**W.V.**	**25**	**35**	**50**	
	S.V.	32	44	63	
Dissipation Factor (tan δ) (120Hz 20°C)	tan δ ≤ 0.05				
Low Temperature Stability	Capacitance change shall be within ±10% of the value at 25°C over operation temperature range.				
Load Life	**After 2000 hours application of W.V. and +85°C ripple current value** , the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rated working voltage) (The polarity need to exchange every 250 hours)				
	Capacitance Change	≤ ±15% of initial.			
	Dissipation Factor	≤ 200% of initial specified value			
	Leakage Current	≤ initial specified value			

PART NUMBER SYSTEM

BP   50V   120   M   TA   22x40

Meritek Series ─────────

Rated Voltage ─────────

Rated Capacitance ─────────
Express in micro farad(uF), First two digits are significant figures, Third digit denotes number of zeros. 'R' denotes decimal point for values less than 10uF

Tolerance ─────────
M - ±20%, ±10%(K)

Package ─────────

Code	TA	TR	Blank
	Tape & Ammo	Tape & Reel	

Case size – (D) Diameter x (L) Length in mm (Optional) ─────────

DIMENSIONS (mm)

φD	10	12.5	16	18	22
F	5.0	5.0	7.5	7.5	10.0
d	0.6	0.6	0.8	0.8	1.0
α	1.5	1.5	1.5	1.5	2.0

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RoHS

CASE SIZE & MAX RIPPLE CURRENT

Case size	**:** DxL		(mm)
E.S.R	**:** Ω	20℃	120Hz
Max. ripple current	**:** A(p-p)	85℃	15.75kHz

Cap. (uF)	V Item	25 DxL	25 E.S.R	25 R.C.	35 DxL	35 E.S.R.	35 R.C.	50 DxL	50 E.S.R.	50 R.C.
2.2		10x20	30.14	2.80	12.5x25	30.14	3.50	12.5x25	30.14	3.50
3.3		12.5x25	20.10	4.50	16x25	20.10	4.80	16x25	20.10	4.80
4.7		12.5x25	14.11	5.50	16x31.5	14.11	6.50	16x31.5	14.11	6.50
6.8		16x31.5	9.75	7.50	16x35.5	9.75	8.00	16x35.5	9.75	8.00
8.2		16x31.5	8.09	8.50	18x35.5	8.09	9.50	18x35.5	8.09	9.50
10		16x35.5	6.63	10.00	18x35.5	6.63	10.50	18x35.5	6.63	10.50
12		18x35.5	5.53	11.50	22x40	5.53	12.00	22x40	5.53	12.00
18		22x40	3.68	13.00						