

## KBP Miniature Aluminum Electrolytic Capacitors

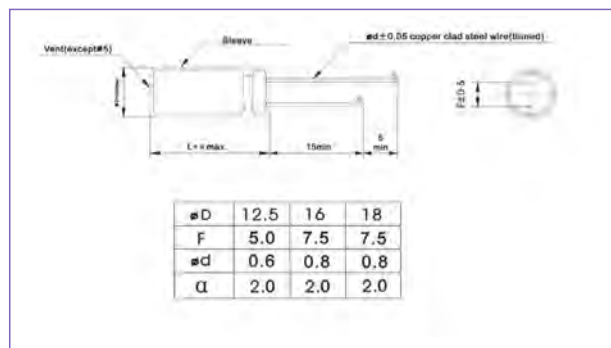
### Standard Bi-polar High Temperature Capacitors, Series KBP.

Guaranteed 2000 hours at 105°C

Suitable For Horizontal Deflection Current Correction of TV Sets

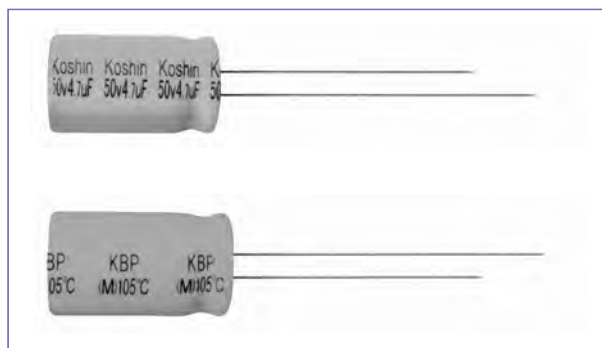
Outline Drawing

Unit: mm



Photo

**ROSH**



Marking color: black print on yellow sleeve

### Specifications

No.	Item	Performance					
1	Temperature range (°C)	-40 to +105					
2	Leakage current (μA)	Less than 100 (after two minutes) C: Rated Capacitance(μF); V: Rated voltage(V) 20°C					
3	Capacitance tolerance (%)	±10 (20°C, 120Hz)					
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	25	50	63	20°C, 120Hz	
		Tan δ (max)	0.05	0.05	0.05		
5	Low temperature characteristics	Rated voltage (V)	25	50	63	120Hz	
		Impedance ratio (max)	Z <sub>(-25°C)/Z<sub>(+20°C)</sub></sub>	2	2		2
			Z <sub>(-40°C)/Z<sub>(+20°C)</sub></sub>	4	4		4
6	Endurance (105°C) (Applied ripple current)	Test time	2000hours (with the polarity inverted every 250 hrs)				
		Leakage current	The initial specified value or less				
		Percentage of capacitance change	Within ±15% of initial value				
		Tangent of the loss angle	200% or less of the initial specified value				
7	Shelf life (105°C)	Test time	1000hours				
		Leakage current	The initial specified value or less				
		Percentage of capacitance change	Within ±15% of initial value				
		Tangent of the loss angle	200% or less of the initial specified value				
8	Applicable standards	JIS-C-5102 and JIS-C- 5141					

### Coefficient of Temperature for Ripple Current

Temperature(°C)	45	60	70	85	95	105
Coefficients	2.10	1.90	1.65	1.40	1.25	1.00

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Dimension:  $\Phi$  DXL(mm)

Ripple Current(Ap-p) 15.75KHz, at 105°C

### DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC Contents $\mu$ F	25V		50V		63V	
	$\Phi$ D×L	Ap-p	$\Phi$ D×L	Ap-p	$\Phi$ D×L	Ap-p
2.2	12.5X25	3.4	12.5X25	3.4	12.5X25	3.4
3.3	16X25	4.1	16X25	4.1	16X25	4.1
4.7	16X31.5	4.5	16X31.5	4.5	16X31.5	4.5
6.8	16X35.5	4.6	16X35.5	4.6	16X35.5	4.6
10	18X35.5	4.9	18X35.5	4.9	18X35.5	4.9
12	18X40	5.0	18X40	5.0	18X40	5.0
15	18X40	5.4	18X40	5.4	18X40	5.4