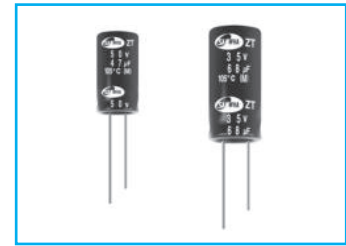


# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

**ZT** Long Life, Height 7mmL Series



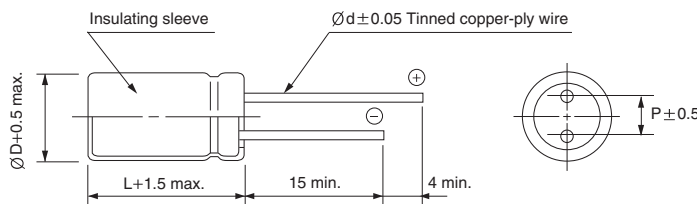
- Super miniature series with 7mmL height
- Load life of 5000 hours at 105°C
- Complied to the RoHS directive, Halogen-Free



Item	Characteristics						
Operating temperature range	-40 ~ +105°C						
Leakage current max.	I = 0.01CV or 3μA (after 2 minutes)						
Capacitance tolerance	±20% at 120Hz, 20°C						
Dissipation factor max. (at 120Hz, 20°C)	WV	6.3	10	16	25	35	50
	tanδ	0.40	0.35	0.30	0.25	0.20	0.20
Low temperature characteristics (Impedance ratio at 120Hz)	WV	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	6	4	4	3	3	3
	Z-40°C/Z+20°C	12	10	8	6	6	6
Load life (after application of the rated voltage for 5000 hours at 105°C)	Leakage current	Less than specified value					
	Capacitance change	Within ±30% of initial value					
	tanδ	Less than 300% of specified value					
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4						

## ● DRAWING

Unit : mm



ØD	5	6.3	8
P	2.0	2.5	3.5
Ød	0.5	0.5	0.5

## ● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	6.3		10		16		25		35		50	
2.2											5×7	165
10											6.3×7	235
22									5×7	165	6.3×7	260
33	5×7	165	5×7	165	5×7	165	5×7	165	6.3×7	235	8×7	350
47	5×7	165	5×7	165	5×7	165	6.3×7	235	8×7	350	8×7	450
68	6.3×7	235	6.3×7	235	6.3×7	235	6.3×7	235	8×7	350		
100	6.3×7	235	6.3×7	235	6.3×7	235	8×7	350				
150	6.3×7	235	6.3×7	235	8×7	350						
220	8×7	350	8×7	350								
330	8×7	350										

↑↑  
 Ripple current (mA rms) at 105°C, 100kHz  
 Case size ØD×L (mm)

## ● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

μF \ Frequency	120Hz	1kHz	10kHz	50kHz	100kHz ≤
~ 33	0.25	0.50	0.75	0.90	1.00
47 ~	0.30	0.55	0.80	0.90	1.00