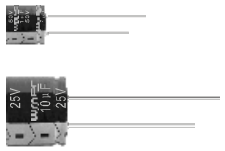
RT Standard, Height 5mm Series

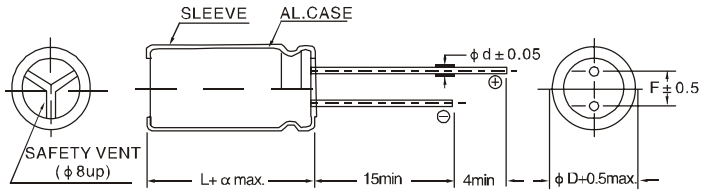
- Ultra miniature series with height 5mm
- Suited to replace tantalum capacitors at low cost
- Load life of 1000 hours at 85℃



• SPECIFICATIONS

Item	Characteristics
Operating Temperature Range	−40~+85℃
Rated Working Voltage Range	4~50V.DC
Capacitance Tolerance	±20%(M)at 120Hz.25℃
Leakage Current (max.)	I=0.01CV or 3μA whichever is greater after 2 minutes I: Leakage Current (μA) C: Nominal Capacitance(μF) Rated Working Voltage (V)
Dissipation Factor (tan δ) (at 120Hz, 25℃) (max.)	WV: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 tan δ: 0.35 / 0.24 / 0.20 / 0.16 / 0.13 / 0.12 / 0.09
Low Temperature Stability (Impedance ratio at 120Hz)	WV: 4 / 6.3 / 10 / 16~25 Z(−25℃)/Z(+25℃): 6 / 4 / 3 / 2 Z(−40℃)/Z(+25℃): 12 / 8 / 6 / 4
Load Life	After 1000 hours application of W. V. at 85℃, the capacitor shall meet the following limits. Capacitance Change: ≤ ±20% of the initial measured value. Dissipation Factor: ≤200% of the initial specified value. Leakage current: ≤the initial specified value.
Shelf Life(85℃)	After 500 hours of no load test, leakage current, capacitance and tan δ are same as load life value.
Reference Standard	JISC − 5141

• DRAWING(Unit:mm)



φD	4	5	6.3	8	
F	1.5	2.0	2.5	2.5	3.5
φd	0.45	0.45	0.45	0.45	
α	1.0			1.5	

• DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV / Cap.(μF)	4		6.3		10		16		25		35		50	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1													4×5	2
0.22													4×5	3
0.33													4×5	4
0.47													4×5	5
0.68													4×5	7
1.0													4×5	7
2.2											4×5	11	4×5	13
3.3									4×5	12	4×5	14	4×5	15
4.7							4×5	11	4×5	17	4×5	19	5×5	19
6.8					4×5	11	4×5	13	4×5	20	5×5	21	5×5	26
10			4×5	16	4×5	16	4×5	20	5×5	25	5×5	30	6.3×5	34
22			4×5	20	5×5	28	5×5	37	6.3×5	45	6.3×5	51	8×5	96
33			5×5	29	5×5	37	6.3×5	51	6.3×5	57	8×5	80		
47			5×5	34	6.3×5	44	6.3×5	65	8×5	70				
68			6.3×5	58	6.3×5	59	6.3×5	70	8×5	72				
100	5×5	60	6.3×5	62	6.3×5	72	6.3×5	73	8×5	75				
220	6.3×5	80	8×5	92	8×5	95	Ripple current (m A rms) at 85℃,120Hz Case size φD×L(mm)							
330	8×5	100												