

R5 Series

New generation of low profile sizing 5mm height

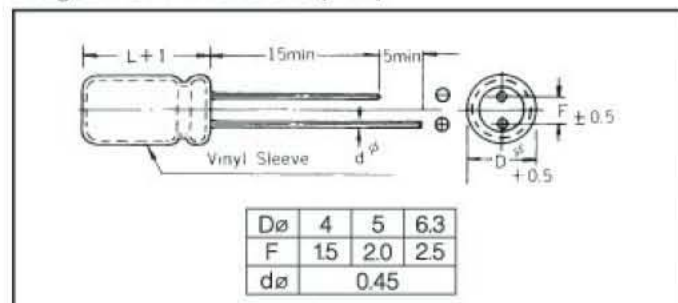


Black

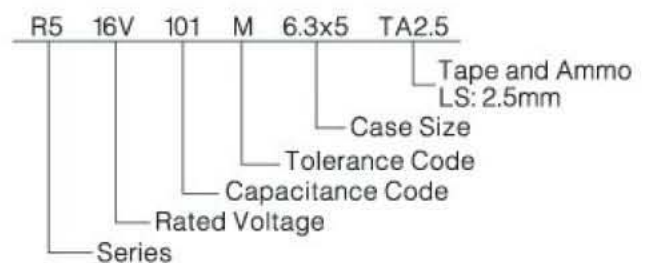
Characteristics

Voltage Range	4 - 50V								
Capacitance Range	0.1 - 220uF								
Temperature Range	-40 - +85°C								
Capacitance Tolerance	-20 - +20% (at 20°C, 120Hz)								
Leakage Current	I = 0.01CV or 3uA, Whichever is greater (After 2 minutes)								
Dissipation Factor (tan δ)	Rated voltage	4V	6.3V	10V	16V	25V	35V	50V	(at 20°C, 120Hz)
	tan δ (max.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
Low Temperature Stability	Impedance ratio at 120Hz								
	Rated voltage	4V	6.3V	10V	16V	25V	35V	50V	
	Z-25°C/Z 20°C	7	4	3	2	2	2	2	
	Z-40°C/Z 20°C	15	10	8	6	4	4	3	
Load Life	After 1000 hours application of rated voltage at 85°C the capacitor shall meet the following characteristics								
	Capacitance Range	Within ±20% of initial value							
	D.F. (tan δ)	200% or less of initial specified value							
	Leakage Current	Initial specified value or less							

Diagram of Dimensions (mm)



Part Numbering System



Case Size of Standard Products DxL (mm)

WV	4	6.3	10	16	25	35	50
0.1							4x5
0.22							4x5
0.33							4x5
0.47							4x5
1							4x5
2.2							4x5
3.3							4x5
4.7					4x5	4x5	5x5
10				4x5	4x5	5x5	6.3x5
22				4x5	5x5	6.3x5	
33			4x5	5x5	6.3x5		
47		4x5	5x5	5x5	6.3x5		
100	5x5	5x5	6.3x5	6.3x5			
220	6.3x5	6.3x5					

Maximum E.S.R. (Ω20°C 120Hz)

WV	4		6.3		10		16		25		35		50	
	ESR	IR	ESR	IR	ESR	IR	ESR	IR	ESR	IR	ESR	IR	ESR	IR
0.1													1348	2
0.22													660	3
0.33													438	4
0.47													326	6
1													162	10
2.2													82.2	18
3.3													48.5	20
4.7									39.7	17	36.2	21	33.1	28
10							26.3	25	23.8	30	18.9	33	16.1	40
22							12.6	40	10.1	50	8.8	55		
33						10.0	42	8.1	58	7.3	62			
47				8.4	50	6.8	60	5.8	72	5.26	81			
100	6.5	56	3.8	75	3.26	80	2.98	86						
220	2.02	94	1.96	98										