

N7 Series

Super miniature size and 7mm high, non-polarized.
Designed for use in VTRs, car radios, Car stereos,
Micro-cassette tape recorders, pocket calculators and watches.

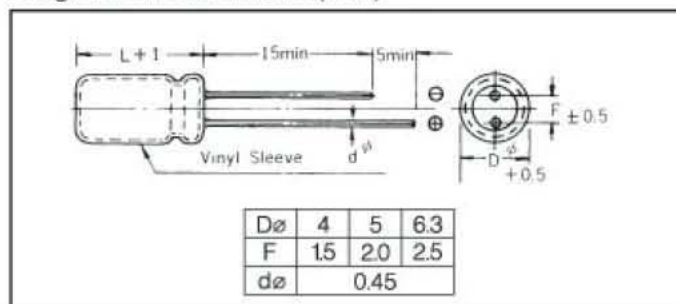


Violet

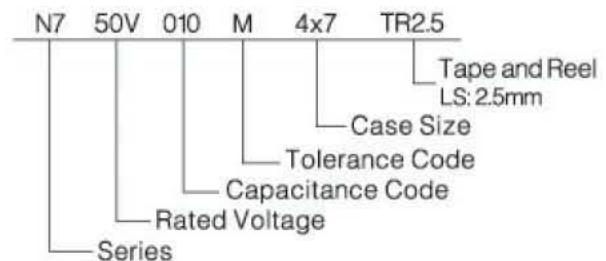
Characteristics

Voltage Range	6.3 - 50V							
Capacitance Range	0.1 - 100µF							
Temperature Range	-40 - +85°C							
Capacitance Tolerance	-20 ~ +20% (at 20°C, 120Hz)							
Leakage Current	I=0.03CV+4 (µA) max. (After 5 minutes)							
Dissipation Factor (tan δ)	Rated voltage	6.3V	10V	16V	25V	35V	50V	(at 20°C, 120Hz)
	tan δ (max.)	0.24	0.20	0.16	0.16	0.14	0.14	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated voltage	6.3V	10V	16V	25V	35V	50V	
	Z-25°C/Z 20°C	4	3	2	2	2	2	
Z-40°C/Z 20°C	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

WV µF	6.3	10	16	25	35	50
0.1						4x7
0.22						4x7
0.33						4x7
0.47						4x7
1						4x7
2.2					4x7	5x7
3.3				4x7	5x7	5x7
4.7			4x7	5x7	5x7	6.3x7
10		4x7	5x7	6.3x7	6.3x7	
22	4x7	5x7	6.3x7	6.3x7		
33	5x7	6.3x7	6.3x7			
47	6.3x7	6.3x7				
100	6.3x7					

Maximum E.S.R. (Ω20°C 120Hz)

Maximum Ripple Current (mA rms 85°C 120Hz)

WV µF	6.3		10		16		25		35		50	
	ESR	IR	ESR	IR	ESR	IR	ESR	IR	ESR	IR	ESR	IR
0.1											1880	2
0.22											850	3
0.33											578	5
0.47											402	7
1											192	12
2.2									916	17	86.1	19
3.3							70.4	17	62.3	19	58.2	23
4.7					52.60	18	48.0	21	43.9	26	41.5	30
10			31.20	23	28.70	29	25.5	33	20.7	39		
22	16.33	33	14.90	40	13.59	48	10.6	52				
33	11.96	42	10.60	56	8.82	65						
47	8.39	60	6.88	72								
100	5.78	76										