

Features

- Design for space-saving and high density insertion.
- Applications: VTR , car radio, car stereos, charger, etc



Specifications

Item	Performance Characteristics																										
Operating Temperature Range	-40 to +105°C																										
Rated voltage Range	6.3 to 63 VDC																										
Capacitance Range	0.1 to 470 uF																										
Capacitance Tolerance	±20%[120Hz +20 °C]																										
Leakage Current[+20°C.max.]	1 ≤ 0.01 CV or 3(uA) After 1minute whichever is greater measured With rate working voltage applied																										
Dissipation Factor[tan δ]	<table border="1"> <tr> <td>Working Voltage [VDC]</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>D.F.[%]max</td> <td>35</td> <td>22</td> <td>20</td> <td>16</td> <td>14</td> <td>12</td> <td>10</td> <td>9</td> </tr> </table>									Working Voltage [VDC]	4	6.3	10	16	25	35	50	63	D.F.[%]max	35	22	20	16	14	12	10	9
	Working Voltage [VDC]	4	6.3	10	16	25	35	50	63																		
D.F.[%]max	35	22	20	16	14	12	10	9																			
[+20°C. At 120Hz]																											
Low Temperature Characteristics [120Hz]	Impedance ratio max.																										
	Working Voltage[VDC]	4	6.3	10	16	25	35	50	63																		
	Z-25°C/Z+20°C	7	4	3	2	2	2	2	2																		
	Z-40°C/Z+20°C	15	8	6	4	4	3	3	3																		
Load Life	Test conditions Duration time :1000Hrs Ambient temperature: +105 °C Applied voltage: Rated DC working voltage After test requirements at +20 °C Capacitance change : ≤ ± 20% of the initial measured value[4v: ≤ ±30%] Dissipation factor: ≤ 200% of the initial specified value Leakage current: ≤ The initial specified value																										
Shelf Life	Test conditions Duration time :1000 Hrs Ambient temperature :+105 °C Applied voltage: None After test requirements at +20 °C: Some limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																										

RIPPLE CURRENT COEFFICIENTS

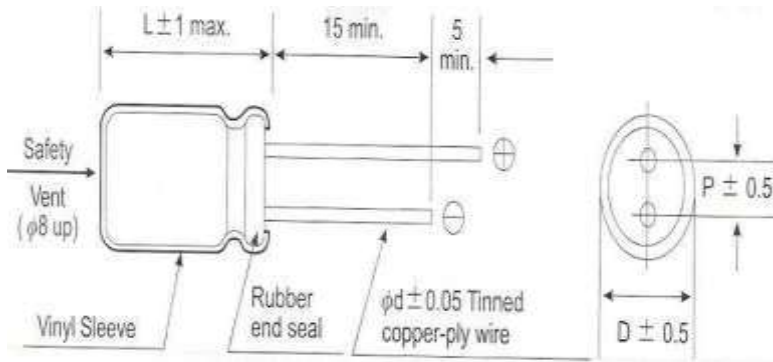
Temperature Multiplies

TEMP (°C)	70	85	105
Coefficient	1.65	1.4	1.00

Frequency Coefficient of Allowable Ripple Current

Capacitance (uF)	Frequency (Hz)			
	50	120	1K	≥10K
<100	0.80	1.00	1.36	1.53
≥100	0.80	1.00	1.25	1.38

Diagram of Dimensions(Unit;mm)



Dφ	4	5	6.3	8
F	1.5	2.0	2.5	35
Dφ	0.45		0.5	

DIMENSIONS

D x L (mm); R.C.: (Ma rms) at 105°C, 120Hz.

Cap (uF)	WV (V) Item	6.3		10		16	
		D x L	R.C.	D x L	R.C.	D x L	R.C.
10						4x7	28
22						4x7	43
33				4x7	45	5x7	55
47				4x7	58	5x7	68
100				5x7	86	6.3x7	90
150							
220				6.3x7	145	6.3x7	160
			8x7			175	
			8x9			190	
330		6.3x7	155	8x7	180	8x7	195
470				8x7	200	8x9	210

Cap (uF)	WV (V) Item	25		35		50		63	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
0.1						4x7	1.0		
0.22						4x7	2.3		
0.33						4x7	3.5		
0.47						4x7	5.0		
1.0						4x7	10	4x7	15
2.2						4x7	18		
3.3						4x7	24		
4.7						4x7	28		
6.8						4x7	39		
10		4x7	30	4x7	40	5x7	50		
		4x7	40						
22		5x7	50	5x7	50	6x7	60		
		5x7	62						
33		6.3x7	75	6.3x7	65	8x7	68		
				8x7	80				
47		6.3x7	90	8x7	105	8x9	90		
				8x7	95				
				8x9	100				
100		8x9	190						