



## FEATURES

General Used Standard Size

## SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-40 to +105°C	-25 to +105°C						
Rated Working Voltage	6.3 - 100 V.DC	160 - 450 V.DC						
Capacitance Tolerance (120Hz 20°C)	±20% (M)							
Leakage Current (120Hz 20°C)	Rated voltage	≤100V	>100V					
	Time	After 2 minutes	After 5 minutes					
	Leakage Current	I=0.01CV or 3(µA) Whichever is greater	CV ≤ 1000 I = 0.03CV+15(µA)	CV > 1000 I = 0.02CV+25(µA)				
	C = Rated Capacitance (µF) V = Rated Voltage (V)							
Surge Voltage (120Hz 20°C)	WV	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450						
	SV	8 13 20 32 44 63 79 125 200 250 300 400 450 500						
Dissipation Factor (120Hz 20°C) (tanδ)	WV	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450						
	tanδ	0.24 0.20 0.17 0.15 0.12 0.10 0.10 0.08 0.20 0.20 0.20 0.25 0.25 0.25						
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	6.3	10	16	25	35-100	160-250	350-450
	-25°C/ +25°C	4	3	2	2	2	8	12
	-40°C/ +25°C	10	8	6	4	3		
Endurance (Load Life)	After 2000 hours application of W V at + 105°C the capacitor shall meet the following limits							
	Capacitance Change				≤ ±25% of initial value			
	Dissipation Factor				≤ 200% of initial specified value			
	Leakage Current				≤ 200% specified value			
Shelf Life	After 1000 hours application of W V at + 105°C the capacitor shall meet the following limits							
	Capacitance Change				≤ ±25% of initial value			
	Dissipation Factor				≤ 200% of initial specified value			
	Leakage Current				≤ 200% of initial specified value			

## RIPPLE CURRENT FOR FREQUENCY MULTIPLIERS

Frequency (Hz)	CAP(µF)					
	50	120	300	1K	10K	
0.1-47	0.75	1.00	1.35	1.57	2.00	
100-470	0.80	1.00	1.23	1.34	1.50	
1000-15000	0.85	1.00	1.10	1.13	1.15	
0.47-220	0.80	1.00	1.25	1.40	1.60	
330	0.90	1.00	1.10	1.13	1.15	

## DIMENSIONS (mm)

D	5	6.3	8	10	13	16	18	22	25
F	2.0	2.5	3.5	5.0	7.5	10	12		
d	0.5		0.6	0.8	0.8				
α	1.5			2.0					





