

DATASHEET

Model	33uf/450v	Dimension	16*20	Series	Black white
TYPE'S DIMENSIONS(MM) 型狀及尺寸				D:	16
				L:	20
				F:	7.5
				d :	0.8
Working voltage	450v	Capacitance Range 120Hz 20°C	26.4~39.6uf	Usage temperature	-40~105°C
Leak current uA	$I \leq 312\mu A$ After charging for 1 minute	Loss Angle tangent value 120Hz 20°C	$DF \leq 0.20$	Equivalent impedance	$\Omega \leq$
High temperature load characteristics 105°C with rated voltage ripple for 2000 hours	1. $I \leq$ standard value 2. $\Delta C/C \leq 20\%$ 3. $\Delta CF/CF \leq 200\%$	High temperature storage for 2000 hours	1. $I \leq 2 * \text{standard}$ value 2. $\Delta C/C \leq 20\%$ 3. $\Delta CF/CF \leq 200\%$	Low-temperat ure characteristics	$\frac{Z-40^\circ C}{Z+20^\circ C} \leq 8$
Testing data of standard samples					
No.	Leak current	Capacitance	Loss Angle tangent	Equivalent impedance	
1	88.2	31.42	0.115		
2	89.7	31.77	0.096		
3	76.8	31.71	0.089		
4	82.5	31.44	0.105		
5	85.4	31.76	0.106		
6	77.6	32.12	0.096		
7	75.8	31.43	0.091		
8	86.2	31.78	0.092		
9	90.1	32.28	0.114		
10	78.5	32.36	0.102		
Note: High frequency low resistance products, need to measure the equivalent impedance, other series do not					