

Item	Performance characteristics														
Operating Temperature range	-40~105°C							-25~+105°C							
Rated voltage range	10~100VDC							160~450VDC							
Capacitance range	1~4700uF							0.47~220uF							
Capacitance tolerance	±20% (100Hz or 120Hz, +20°C)														
Leakage current(+20°Cmax)	I≤0.01CV or 5(μA), After 1 minute, whichever is greater measured with rated working voltage applied.							I≤0.03CV+10(μA), After 1 minute, whichever is greater measured with rated working voltage applied.							
Dissipation factor	Working voltage(VDC)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
	D.F(%)	22	20	18	14	14	12	12	10	14	14	14	15	15	17
For capacitance 1000uF, add 2% per another 1000uF(100Hz or 120Hz, +20°C)															
Low temperature characteristics(120Hz)	Impedance ratio, max														
	Working voltage(VDC)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2	2	2	3	5	6	15
	Z-40°C/Z+20°C	8	6	4	3	3	3	3	3	-	-	-	-	-	-
capacitance>1000uF, and 0.5% per another 1000uF for Z-25°C/Z+20°C; add 1% per another 1000uF Z-40°C/Z+20°C															
Load life	Test conditions														
	Duration time	2000hours													
	Ambient temperature	+105°C													
	Applied voltage	Rated working voltage(DVC)													
	Applied voltage	Rated working voltage(mA)													
	After test requirements	Resume 16hours at normal temperature													
	Capacitance change	≤20% of the initial measured value													
	Leakage current	≤The initial measured value													
Shelf life	Test conditions														
	Duration time	500hours													
	Ambient temperature	+105°C													
	Applied voltage	None													
	After test requirements	Resume 16hours at normal temperature													
	Capacitance change	≤20% of the initial measured value													
	Dissipation factor	≤200% of the initial specified value													
	Leakage current	≤200% of the initial specified value													