

Features

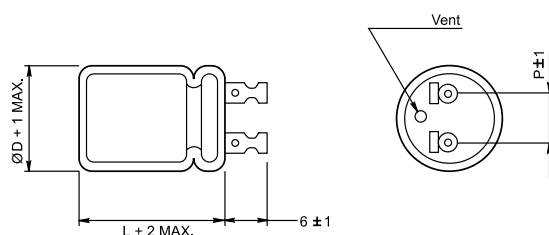
- For the photo flash
- Extremely low leakage current



Specifications

Item	Performance Characteristics		
Operating temperature range	-10°C ~ +50°C		
Rated working voltage range	330V		
Nominal capacitance range	60μF ~ 1500μF		
Capacitance tolerance	-10% ~ +30% (at 20°C, 120Hz)		
D.C Leakage current(at 20°C)	<p>The following specifications shall be satisfied when the rated voltage is applied for the required time.</p> $I \leq 0.003CV \text{ (5 min)}$ <p>Where I =Leakage current (μA) C=Nominal capacitance (μF) V=Rated voltage (V)</p>		
Tanδ(max., at 20°C, 120Hz)	Cap	>600μF	>600μF
	Tanδ	0.1	0.12
Surge voltage	350V		
Load life	<p>After charge and discharge are repeated 10000 cycles as following conditions at room temperature (5~35°C) and then being stabilized at 20°C, capacitors shall meet following limits.</p> <p>1 Test condition</p> <p>Charge voltage : Rated voltage</p> <p>Time:Charge 20 sec, Discharge :10 sec</p> <p>Resistance:Charge 1KΩ, Discharge :1Ω</p> <p>Capacitance change Within ± 15% of initial measured value</p>		

Case sizes and Dimensions



ØD	18	20	22	25	30	35
P	7	7	8	10	10	15

STANDARD RATINGS OF ES SERIES

Ø D × L (mm)

W.V	60	100	150	200	250	320	400	500	600	700	800	900	1000	1500
330	18X30	18X40	20X35	22X35	25X30	25X40	25X50	30X50	30X50	30X60	35X50	35X50	35X50	35X115