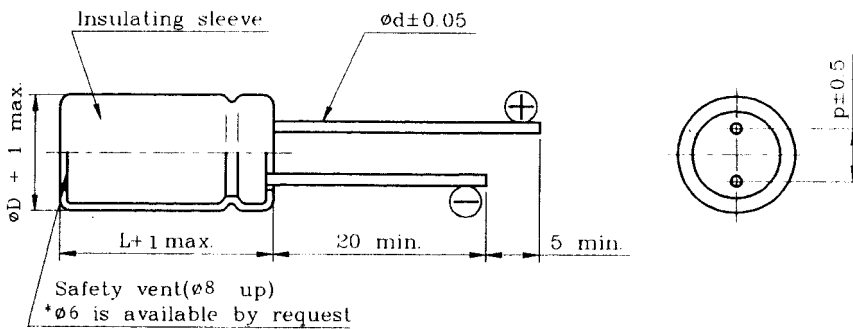


## EXR SERIES

- EXR series capacitors are ideal for use in switching power supplies.
- Other High Frequency Applications.
- **Low Impedance** and long life.

### Characteristics

<b>Voltage Range</b>	6.3 ~ 100V									
<b>Capacitance Range</b>	4.7 ~ 3300uF									
<b>Temperature Range</b>	-55 ~ + 105°C									
<b>Leakage Current</b>	I=0.01CV or 3uA, whichever is greater (After 2 minutes) I=0.03CV or 4uA, whichever is greater (After 1 minutes)									
<b>Capacitance Tolerance</b>	±20% at 120Hz, 20°C									
<b>Dissipation Factor</b>	WV	6.3	10	16	25	35	50	63	100	
	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	
For capacitance > 1000uF, add 0.02 for every 1000uF.(at 20°C, 120Hz)										
<b>Low temperature Characteristics</b>	Impedance ration at 120Hz									
	Rated Voltage (V)	6.3~10			16~35			50~100		
	Z-25°C/Z 20°C	4			3			2		
<b>Load life after application of the rated voltage for 2000 hrs at 105°C</b>	Leakage current				Less than specified value					
	Capacitance change				Within ±20% of initial value					
	tan δ				Less than 200% of specified value					
<b>Shelf life (at 105°C)</b>	After 1000 hrs no load test, leakage current, capacitance and tan δ are same as load life value.									



### Drawing

Dφ	5	6.3	8	10	13	16	18
p	2.0	2.5	3.5	5.0	5.0	7.5	7.5
dφ	0.5	0.5	0.5	0.6	0.6	0.8	0.8

### Ripple Current Coefficients

Frequency (Hz)	60	120	400	1K	10K	100K
W.V.	Multiplier					
10~16V	0.45	0.60	0.83	0.94	0.98	1.00
25~35V	0.38	0.50	0.75	0.90	0.97	1.00
50~100V	0.36	0.46	0.70	0.88	0.94	1.00

Temperature(°C)	65	75	85	95	105
Multiplier	2.12	1.92	1.69	1.50	1.00

