

Data Sheet

Customer: _____

Product: Aluminum Electrolytic Capacitors – ENR Series _____

Size : 5x11mm ~ 18x36mm _____

Issued Date: 15-Aug.-2016 _____

Edition: Ver. 1 _____

Record of change

Date	Ver.	Description	Page
15-Aug-2016	1		

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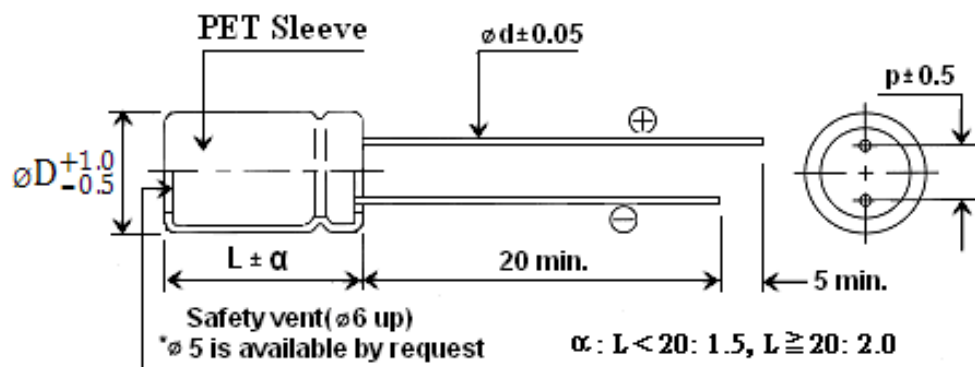
Prepared by	Checked by	Approved by	Accepted by (customer)
15-Aug-2016	15-Aug-2016	15-Aug-2016	
<i>Andy Hsu</i>	<i>Hwa Wu</i>	<i>Hwa Wu</i>	

- These are non-polar capacitors designed for circuits with reversing polarity.
- Tolerance of $\pm 10\%$ (K) if required can also be available on request.
- Life time 105°C 1000 Hours

Characteristics

Voltage Range	10~100V							
Capacitance Range	0.47~1000uF							
Temperature Range	-40 ~ + 105°C							
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)							
Leakage Current	I=0.03C or 3uA max. (After 3 minutes)							
Dissipation Factor(tanδ) (at 20°C, 120Hz)	Rated voltage	10V	16V	25V	35V	50V	63V	100V
	tanδ	0.25	0.20	0.18	0.15	0.13	0.10	0.10
Stability at Low Temperature	Impedance ration at 120Hz							
	Rated Voltage (V)	10V	16V	25V	35V	50V	63V	100V
	Z-25°C/Z 20°C	3	2	2	2	2	2	2
	Z-40°C/Z 20°C	6	4	3	3	3	3	3
Load Life	After rated voltage has been applied on each polarity for 500 hours at 105°C (Total 1000 hours)	Capacitance change	Within $\pm 15\%$ of initial value					
		D.F. (tanδ)	150% or less of initial specified value					
		Leakage current	Less than initial specified value					

Diagram of dimensions



Dφ	4	5	6.3	8	10	13	16	18
p	1.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5
dφ	0.45	0.5	0.5	0.5	0.6	0.6	0.8	0.8

Ripple Current Coefficients

Frequency (Hz)	50(60)	120	400	1K	10K	100K
Cap.(uF) / Hz	Multiplier					
Cap. ≤ 10	0.8	1	1.30	1.45	1.65	1.70
10 < Cap. ≤ 100	0.8	1	1.23	1.36	1.48	1.53
100 < Cap. ≤ 1000	0.8	1	1.16	1.25	1.35	1.38
1000 < Cap.	0.8	1	1.11	1.17	1.25	1.28

