

Aluminium Electrolytic Capacitors with Radial Connections



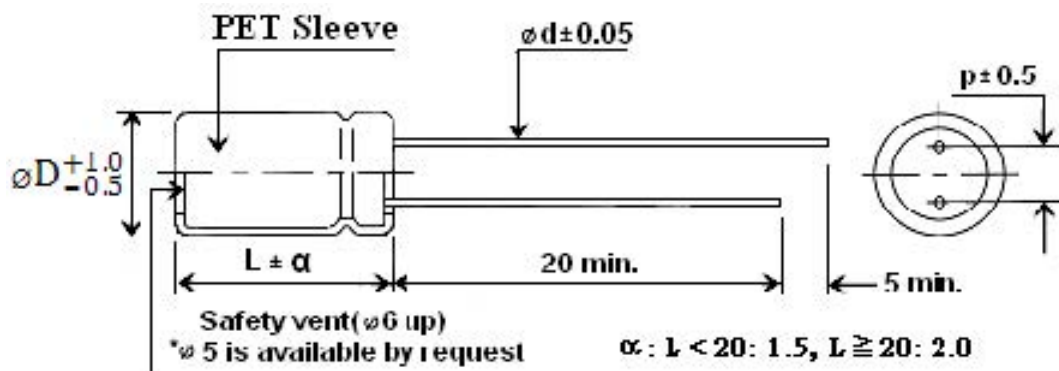
Non-polar capacitors designed for circuits with reversing polarity

SPECIFICATION:

Capacitance tolerance	±20%
Construction	Radial

Characteristics

Voltage Range	6.3 to 100 VDC				160 to 450 VDC				
Capacitance Range	0.47 to 10000uF				0.47 to 470uF				
Temperature Range	-40 to +85°C				-25 to +85°C				
Capacitance Tolerance	±20% at 120Hz, 20°C (10% Tol. is available upon request)								
Leakage Current	I ≤ 0.01CV or 3uA, whichever is greater 2 minutes after Rated Voltage applied				I ≤ 0.03CV or 3uA, whichever is greater 3 minutes after Rated Voltage applied				
Dissipation Factor (tanδ)	Rated Voltage (V)	6.3	10	16			50	63	
	Dissipation Factor(tanδ)max	0.22	0.19	0.16	0.14	0.12	0.10		
	Rated Voltage (V)	100	160	200	250	350	400	450	
	Dissipation Factor(tanδ)max	0.08	0.16	0.18	0.18	0.20	0.20	0.20	
Stability at Low Temperature (For Cap. > 1000uF, add 0.5 per 1000uF(-25°C/+20°C) add 1.0 per 1000uF(-40°C/+20°C)	Impedance ration at 120Hz								
	Rated Voltage (V)	6.3	10	16	25		50		100
	Z-25°C/Z 20°C	4		2	2	2	2	2	
	Z-40°C/Z 20°C	8		4	4	3	3	3	3
	Rated Voltage (V)	160	200		350	400	450		
Z-25°C/Z 20°C	2	2	3	5	15	15			
Load Life	After the rated voltage has been applied for 2000 hours at 85°C	Capacitance change	Within ±20% of initial value						
		D.F. tanδ	200% or less of initial specified value						
		Leakage current	Less than Initial specified value						
Shelf Life	After storage for 1000 hours at 85°C with no voltage applied, the capacitor shall meet the specified limit in load life. Pre-treatment for measurement shall be conducted after application of DC working voltage for 30 minutes.								



Drawing

D ϕ	5	6.3	8	10	13	16	18	22
p	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10
d ϕ	0.5	0.5	0.5	0.6	0.6	0.8	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
	0.8	1	1.16	1.25	1.35	1.38
1000 < Cap.	0.8	1	1.11	1.17	1.25	1.28

PRODUCT RANGE:

Art. Nr.	Capacitance	Rated voltage	Dimensions $\varnothing \times L$	Pitch
RND 150ENR220M35B	22 μ F	35 V	6.3 x 11 mm	3.5 mm
RND 150ENR330M35B	33 μ F	35 V	8 x 12 mm	3.5 mm
RND 150ENR3R3M2AB	3.3 μ F	100 V	6.3 x 11 mm	2.5 mm
RND 150ENR3R3M63B	3.3 μ F	63 V	5 x 11 mm	2 mm
RND 150ENR470M16B	47 μ F	16 V	6.3 x 11 mm	3.5 mm
RND 150ENR470M35B	47 μ F	35 V	8 x 12 mm	3.5 mm
RND 150ENR470M63B	47 μ F	63 V	10 x 16 mm	5 mm
RND 150ENR4R7M2AB	4.7 μ F	100 V	8 x 12 mm	3.5 mm
RND 150ENR100M16B	10 μ F	16 V	5 x 11 mm	2 mm
RND 150ENR100M2AB	10 μ F	100 V	8 x 12 mm	3.5 mm
RND 150ENR100M35B	10 μ F	35 V	5 x 11 mm	2.5 mm
RND 150ENR100M63B	10 μ F	63 V	6.3 x 11 mm	2.5 mm
RND 150ENR101M16B	100 μ F	16 V	6.3 x 11 mm	3.5 mm
RND 150ENR220M16B	22 μ F	16 V	5 x 11 mm	2.5 mm
RND 150ENR220M63B	22 μ F	63 V	8 x 12 mm	3.5 mm
RND 150ENR221M16B	220 μ F	16 V	10 x 13 mm	5 mm
RND 150ENR2R2M2AB	2.2 μ F	100 V	6.3 x 11 mm	2.5 mm
RND 150ENR2R2M63B	2.2 μ F	63 V	5 x 11 mm	2 mm
RND 150ENR470M2AB	47 μ F	100 V	13 x 21 mm	5 mm
RND 150ENR4R7M35B	4.7 μ F	35 V	5 x 11 mm	2 mm
RND 150ENR4R7M63B	4.7 μ F	63 V	5 x 11 mm	2 mm
RND 150ELR220M25B	22 μ F	25 V	5 x 11 mm	2 mm