

Aluminium Electrolytic Capacitors with Radial Connections



High Temperature Radial Type

Applications: Communications equipment, switching regulators, and industrial applications

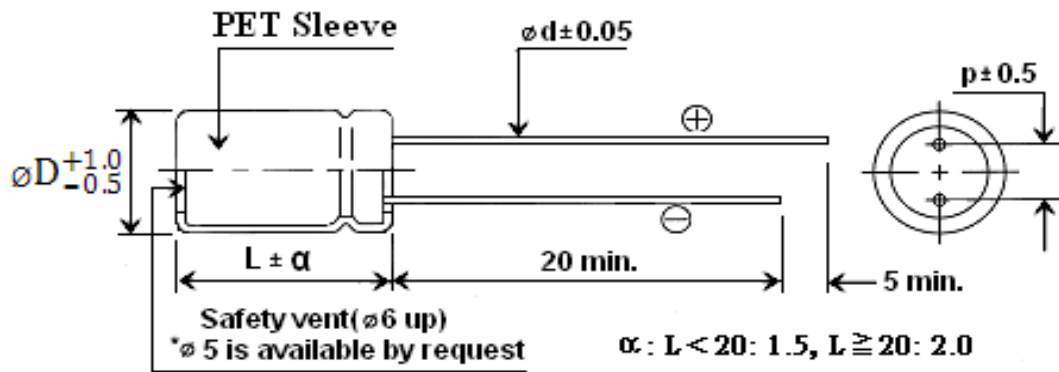
SPECIFICATION:

Capacitance tolerance $\pm 20\%$

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	$\pm 20\%$ at 120Hz, 20°C (10% Tol. is available upon request)							
Leakage Current	$I \leq 0.01CV$ or 3uA, whichever is greater 2 minutes after Rated Voltage applied				$I \leq 0.03CV$ 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(tan δ)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(tan δ)max	0.08	0.16	0.18	0.18	0.20	0.20	0.20
For capacitance > 1000uF, add 0.02 for every 1000uF, (at 20°C, 120Hz)								
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
	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 $\pm 20\%$ of initial value			
		D.F. tan δ			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.(μ F) / 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 150EHR470M2ABA	47 μ F	100 V	10 x 13 mm	5 mm
RND 150EHR470M63BA	47 μ F	63 V	6.3 x 11 mm	2.5 mm
RND 150EHR471M10BA	470 μ F	10 V	6.3 x 11 mm	2.5 mm
RND 150EHR471M25BA	470 μ F	25 V	10 x 13 mm	5 mm
RND 150EHR471M2ABA	470 μ F	100 V	16 x 25 mm	7.5 mm
RND 150EHR471M63BA	470 μ F	63 V	13 x 21 mm	5 mm
RND 150EHR4R7M2AB	4.7 μ F	100 V	5 x 11 mm	2 mm
RND 150EHR4R7M2WB	4.7 μ F	450 V	10 x 21 mm	5 mm

Art. Nr.	Capacitance	Rated voltage	Dimensions \varnothing x L	Pitch
RND 150EHR010M25B	1 μ F	25 V	5 x 11 mm	2 mm
RND 150EHR010M2AB	1 μ F	100 V	5 x 11 mm	2 mm
RND 150EHR010M2CB	1 μ F	160 V	6.3 x 11 mm	2.5 mm
RND 150EHR010M2DB	1 μ F	200 V	6.3 x 11 mm	2.5 mm
RND 150EHR010M2EB	1 μ F	250 V	6.3 x 11 mm	2.5 mm
RND 150EHR010M2GB	1 μ F	400 V	8 x 12 mm	3.5 mm
RND 150EHR010M2VB	1 μ F	350 V	6.3 x 11 mm	2.5 mm
RND 150EHR010M2WB	1 μ F	450 V	8 x 12 mm	3.5 mm
RND 150EHR010M50B	1 μ F	50 V	5 x 11 mm	2 mm
RND 150EHR010M63B	1 μ F	63 V	5 x 11 mm	2 mm
RND 150EHR100M16B	10 μ F	16 V	5 x 11 mm	2 mm
RND 150EHR100M25B	10 μ F	25 V	5 x 11 mm	2 mm
RND 150EHR100M2AB	10 μ F	100 V	5 x 11 mm	2.5 mm
RND 150EHR100M2CB	10 μ F	160 V	10 x 13 mm	5 mm
RND 150EHR100M2DB	10 μ F	200 V	10 x 16 mm	5 mm
RND 150EHR100M2EB	10 μ F	250 V	10 x 16 mm	5 mm
RND 150EHR100M2GB	10 μ F	400 V	13 x 21 mm	5 mm
RND 150EHR100M2GBA	10 μ F	400 V	10 x 21 mm	5 mm
RND 150EHR100M2VB	10 μ F	350 V	10 x 21 mm	5 mm
RND 150EHR100M2WB	10 μ F	450 V	13 x 26 mm	5 mm
RND 150EHR100M2WBA	10 μ F	450 V	13 x 21 mm	5 mm
RND 150EHR100M35B	10 μ F	35 V	5 x 11 mm	2 mm
RND 150EHR100M50B	10 μ F	50 V	5 x 11 mm	2 mm
RND 150EHR100M63B	10 μ F	63 V	5 x 11 mm	2 mm
RND 150EHR101M10B	100 μ F	10 V	5 x 11 mm	2 mm
RND 150EHR101M16B	100 μ F	16 V	5 x 11 mm	2 mm
RND 150EHR101M25B	100 μ F	25 V	6.3 x 11 mm	2.5 mm
RND 150EHR101M2AB	100 μ F	100 V	13 x 21 mm	5 mm
RND 150EHR101M2ABA	100 μ F	100 V	10 x 21 mm	5 mm
RND 150EHR101M2CB	100 μ F	160 V	16 x 26 mm	7.5 mm
RND 150EHR101M2CBA	100 μ F	160 V	13 x 26 mm	5 mm
RND 150EHR101M2DB	100 μ F	200 V	16 x 26 mm	7.5 mm
RND 150EHR101M2DBA	100 μ F	200 V	13 x 26 mm	5 mm
RND 150EHR101M2EB	100 μ F	250 V	16 x 32 mm	7.5 mm
RND 150EHR101M2GB	100 μ F	400 V	18 x 36 mm	7.5 mm
RND 150EHR101M2GBA	100 μ F	400 V	18 x 31.5 mm	7.5 mm
RND 150EHR101M35B	100 μ F	35 V	8 x 12 mm	3.5 mm
RND 150EHR101M35BA	100 μ F	35 V	6.3 x 11 mm	2.5 mm
RND 150EHR101M50B	100 μ F	50 V	8 x 12 mm	3.5 mm
RND 150EHR101M63B	100 μ F	63 V	10 x 13 mm	5 mm
RND 150EHR102M0JB	1000 μ F	6.3 V	10 x 13 mm	5 mm
RND 150EHR102M10B	1000 μ F	10 V	10 x 13 mm	5 mm
RND 150EHR102M10BA	1000 μ F	10 V	8 x 14 mm	3.5 mm
RND 150EHR102M16B	1000 μ F	16 V	10 x 21 mm	5 mm

Art. Nr.	Capacitance	Rated voltage	Dimensions ϕ x L	Pitch
RND 150EHR102M16BA	1000 μ F	16 V	10 x 16 mm	5 mm
RND 150EHR102M25B	1000 μ F	25 V	13 x 21 mm	5 mm
RND 150EHR102M25BA	1000 μ F	25 V	10 x 21 mm	5 mm
RND 150EHR102M2AB	1000 μ F	100 V	18 x 41 mm	7.5 mm
RND 150EHR102M35B	1000 μ F	35 V	13 x 26 mm	5 mm
RND 150EHR102M35BA	1000 μ F	35 V	13 x 21 mm	5 mm
RND 150EHR102M50B	1000 μ F	50 V	16 x 26 mm	7.5 mm
RND 150EHR102M50BA	1000 μ F	50 V	13 x 26 mm	5 mm
RND 150EHR472M25BA	4700 μ F	25 V	16 x 32 mm	7.5 mm
RND 150EHR102M63B	1000 μ F	63 V	16 x 32 mm	7.5 mm
RND 150EHR220M2AB	22 μ F	100 V	8 x 12 mm	2.5 mm
RND 150EHR220M2EB	22 μ F	250 V	13 x 21 mm	5 mm
RND 150EHR220M63BA	22 μ F	63 V	5 x 11 mm	2.5 mm
RND 150EHR221M2ABA	220 μ F	100 V	13 x 26 mm	5 mm
RND 150EHR221M50B	220 μ F	50 V	10 x 16 mm	5 mm
RND 150EHR221M63BA	220 μ F	63 V	10 x 16 mm	5 mm
RND 150EHR222M10B	2200 μ F	10 V	10 x 21 mm	5 mm
RND 150EHR222M25B	2200 μ F	25 V	16 x 26 mm	5 mm
RND 150EHR2R2M2AB	2.2 μ F	100 V	5 x 11 mm	2 mm
RND 150EHR2R2M2EB	2.2 μ F	250 V	8 x 12 mm	2.5 mm
RND 150EHR330M2AB	33 μ F	100 V	10 x 13 mm	3.5 mm
RND 150EHR330M63B	33 μ F	63 V	6.3 x 11 mm	2.5 mm
RND 150EHR331M10B	330 μ F	10 V	8 x 12 mm	2.5 mm
RND 150EHR331M25B	330 μ F	25 V	10 x 13 mm	3.5 mm
RND 150EHR331M2ABA	330 μ F	100 V	13 x 26 mm	7.5 mm
RND 150EHR331M63BA	330 μ F	63 V	10 x 21 mm	5 mm
RND 150EHR332M10B	3300 μ F	10 V	13 x 21 mm	5 mm
RND 150EHR332M25B	3300 μ F	25 V	16 x 26 mm	7.5 mm
RND 150EHR3R3M2AB	3.3 μ F	100 V	5 x 11 mm	2 mm
RND 150EHR470M25B	47 μ F	25 V	5 x 11 mm	2 mm