

6 High Voltage Snubber Capacitors : STD-02RNM series

Applications :

- High Current, Resonant and Energy Discharge
- Resonant Circuit
- AC / DC voltage application
- Capacitor can be discharged at rated voltage directly without any protective component with temperature up to 85C
- High Power Rectification
- Can be used for repetition frequency application
- Diode absorption and protection

Features :

- low inductance
- excellent Frequency Response
- RMS Current Rating
- high peak Pulse Current Ratings (dv/dt)
- higher Temperature range
- M6 and M8 screw threads/nut as capacitor electrical terminal

When compare with traditional Paper Dielectric, Oil Impregnated and Metal Enclosure Capacitor :

- Plastic enclosure : safer when compare with oil impregnated capacitor, especially high voltage application.
- Dry construction : Epoxy Resin end seal and doesn't have impregnant leakage problem
- Plastic enclosure and Epoxy Resin are flame retardant UL94-V0 grade
- compact size and light weight
- Higher Insulation Resistance and Insulation Voltage
- Low capacitor loss
- DC Blocking / Ultra-Low Leakage version on request

Electrical Characteristics :

Rated Voltage : 1,600Vdc – 3,400Vdc / 630Vac – 1,350Vac

Capacitance : 1.5uF – 8uF

Maximum Ripple Current : up to 60A

Peak discharge current - I peak : up to 4300A

Tolerance : +/-10%, +/-5% at 22C 1kHz,

Testing Voltage : 1.3 x Un 10sec (can be customized design)

Insulation Resistance : 250Vdc +23C >= 15,000Mohm

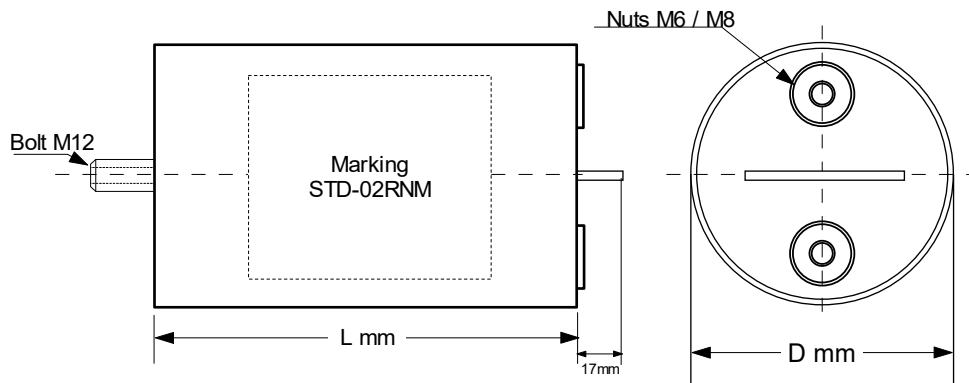
Low ESR and series Inductance

Temperature range : +70C / +85C (depends on capacitor raw materials)

Ultra-Low Leakage version is available on request



Drawing :



STD-02RNM : 1600Vdc / 630Vac

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Max. I _{rms} 70C	Max. I _{rms} 85C
STD-02RNM225J1600D	2.2	65	120	810	1780	25	3.1	35	30
STD-02RNM255J1600D	2.5	65	120	810	2020	25	2.8	40	35
STD-02RNM305J1600D	3	90	120	810	2430	25	2.6	45	40
STD-02RNM405J1600D	4	90	120	810	3240	25	2.5	50	45
STD-02RNM505J1600D	5	90	120	810	4050	25	3.4	55	50
STD-02RNM605J1600D	6	90	150	544	3260	30	3.2	55	50
STD-02RNM805J1600D	8	90	150	544	4350	30	2.1	60	55

STD-02RNM : 2400Vdc / 1000Vac

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Max. I _{rms} 70C	Max. I _{rms} 85C
STD-02RNM155J2400D	1.5	65	170	1300	1950	30	2.9	35	30
STD-02RNM205J2400D	2	90	170	1300	2600	30	2.7	40	35
STD-02RNM225J2400D	2.2	90	170	1300	2860	30	2.6	40	35
STD-02RNM255J2400D	2.5	90	170	1300	3250	30	2.5	45	40
STD-02RNM305J2400D	3	90	170	1300	3900	30	2.3	50	45
STD-02RNM405J2400D	4	90	210	816	3264	37	2.2	50	45
STD-02RNM505J2400D	5	90	210	816	4080	37	2.1	60	55

STD-02RNM : 3400Vdc / 1350Vac

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Max. I _{rms} 70C	Max. I _{rms} 85C
STD-02RNM155J3400D	1.5	65	270	1083	1625	40	3.0	32	25
STD-02RNM205J3400D	2	65	270	1083	2166	40	2.9	35	30
STD-02RNM225J3400D	2.2	90	270	1083	2383	40	2.7	40	35
STD-02RNM255J3400D	2.5	90	270	1083	2708	40	2.5	40	35
STD-02RNM305J3400D	3	90	270	1083	3249	40	2.4	55	50
STD-02RNM405J3400D	4	90	270	1083	4332	40	2.2	60	55

For any Capacitance, Voltage, RMS Current, dv/dt and Peak Pulse Discharge Current not listed, please contact us for a suggestion.