



ILLINOIS CAPACITOR, INC.

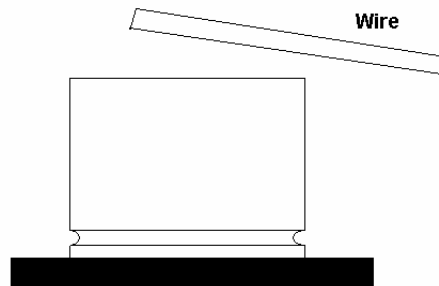
3757 W. Touhy Ave., Lincolnwood, IL 60712 • (847) 675-1760 • Fax (847) 673-2850 • www.illcap.com



Aluminum Electrolytic Capacitors

Safety Vents

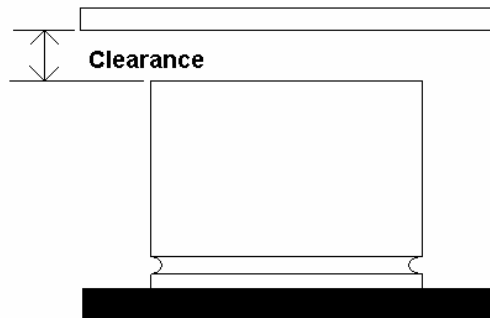
Circuit board traces and wires are not to be located over the safety vents of aluminum electrolytic capacitors. In the event the safety is activated, hot flammable gases can be expelled from the capacitor. These gases can reach temperatures exceeding 100°C which can condense onto the circuit board traces or melt the wirings insulation which can cause a fire or a short circuit.



Adequate clearance above the safety vent is required so that the safety vent will activate properly. Improper vent operation can lead to the capacitor exploding sending hot flammable liquids and metal fragments into the surrounding components and can lead to injury to anyone nearby.

The recommended spacing above the safety vent to allow proper operation is:

<u>Case Diameter</u>	<u>Vent clearance</u>
$D \leq 16\text{mm}$	2 mm Minimum
$18 < D \leq 35\text{ mm}$	3 mm Minimum
$D > 35\text{ mm}$	5 mm Minimum



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