

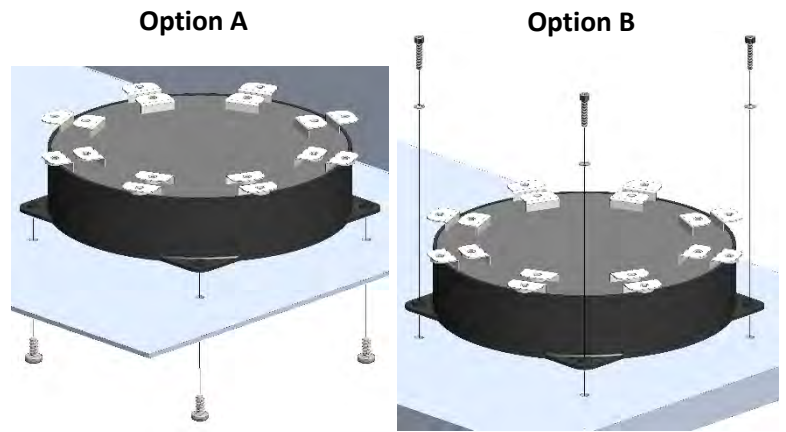
### Description

Power Ring Film Capacitors from Advanced Conversion, such as the 700D348, are designed to interface seamlessly with our Universal Busbars to form a low-inductance solution for some of the industry's leading Si and SiC “half-bridge” switching devices.



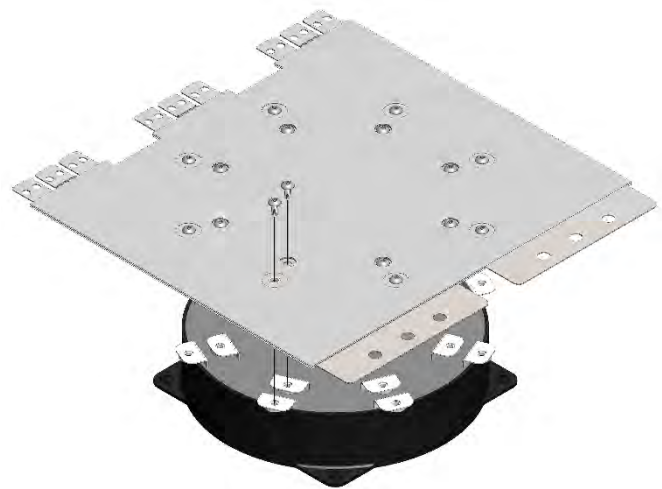
### Mounting on a Universal Busbar

A Power Ring can be mounted on a universal bus by first securing the capacitor to a desired structure. Four ¼” Plastite screws can be passed through the surface and fastened into the capacitor case as shown in Figure 1, Option A. Tightening the screws with a maximum of 40 inch-pounds pulls the capacitor flat against the surface, providing a robust support structure for the Universal Busbar. Alternatively, four M4 screws and washers can be passed through the capacitor case mounting holes from the top and secured to the surface. (Figure 1, Option B)



**Figure 1: Mounting 700D348 to a structure**

Once the capacitor is secured, the Universal Busbar can be lowered onto the capacitor terminals, ensuring the terminal feet align with the pads on the busbar, and secured with sixteen M5-0.8 screws tightened to a maximum of 28 inch-pounds. The low-inductance capacitor-busbar assembly is now ready for system integration.



**Figure 2: Mounting a Universal Busbar to 700D348**