

Modified-Standard Success story

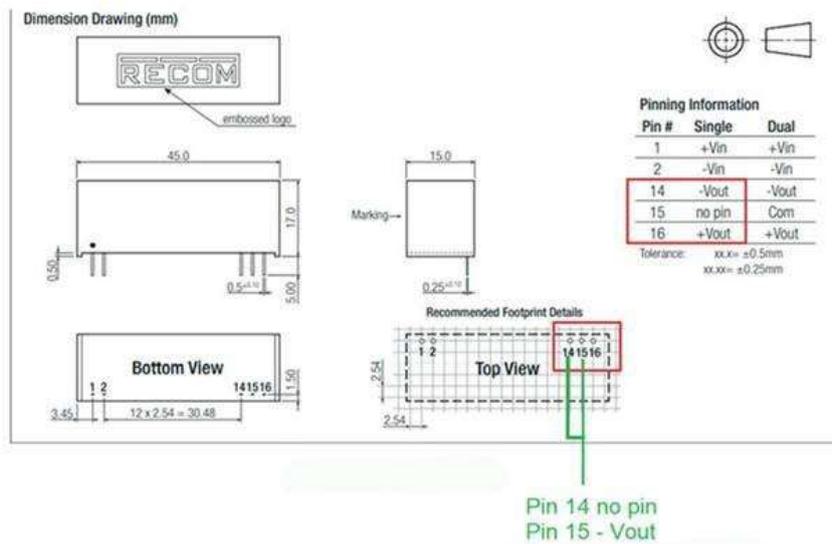
Project: High voltage application for the RHV2-0505S/R20 which needed even more input/output pin separation than the 30.5mm offered as standard

RECOM's RHV2 and RHV3 are an unrivalled product series– the only standard DC/DC converters with reinforced insulation certified to withstand 20kVDC or 12kVAC isolation voltage. Applications include high voltage industrial applications such as hard vacuum systems, electrostatic filters and x-ray generators.

THE SOLUTION

A customer had a high voltage application for the RHV2-0505S/R20 which needed

even more input/output pin separation than the 30.5mm offered as standard. We were able to change the secondary side pinout, eliminating pin 14 and reassigning pin 15 as –Vout to increase the creepage and clearance distance by a further 2.54mm to more than 33mm (see below). As we had included a pin reassignment option in our test report specifications, the customer was able to still use our existing IEC/EN 61010-1 certification (Safety requirements for electrical equipment for measurement, control and laboratory use).



WHY THE CUSTOMER CHOSE RECOM?

In this way, the modification was relatively simple, requiring only a change to the internal PCB and our Standard Operation Procedures (SOP), so the modified standard part was made available at our normal cost price, with no overhead for this customer request.