

Press Release

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Shock, vibration and earthquake tests

AdvancedTCA and MicroTCA systems: All tests passed

For the use of AdvancedTCA and MicroTCA systems some users demand shock, vibration and earth quake tests. The AdvancedTCA and MicroTCA systems from Schroff were therefore tested in an independent laboratory in Munich in accordance with the standards IEC60068-2-6 (vibration tests), IEC60068-2-27 (shock resistance tests) and IEC60068-2-57 (swing tests with time laps processes) and passed. A 14 Slot AdvancedTCA system assembled with AdvancedMC carriers, AdvancedMC modules of varying dimensions and two AdvancedTCA Shelf Managers was tested. The 14 Slot-MicroTCA systems tested were assembled with twelve AdvancedMC modules and two Filler modules (blank panels). The corresponding test reports can be found under www.schroff.co.uk/internet/html_e/service/testreports on the internet.

Furthermore the AdvancedTCA and MicroTCA systems from Schroff fulfil demands for temperature control and EMC. The well-thought out cooling concepts provide consistent cooling of installed components, even during failure of a fan. In order to guarantee a reliable and cost effective temperature control and shelf management, the AdvancedTCA systems are equipped with two Shelf Management controllers, respectively fan controls. Both functions are combined on one board. With the integrated backplanes of complete systems, various transfer protocols can be realised.

Picture caption: AdvancedTCA and MicroTCA systems (from top to bottom) from Schroff withstand the highest strains

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