

MLCC Product Grades Explained: From Commercial to Space Applications

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Multilayer Ceramic Capacitors are manufactured to an array of vastly different performance specifications. Product grades and test levels are designed to demonstrate performance, reliability, and environmental requirements of its intended application to the engineer. As engineers push the boundaries of modern technology against an ever-increasing pressure to balance cost, the supplier's product grade is under constant review to justify use in uncertified applications.

This presentation defines the manufacturing, testing, and control requirements that Kyocera AVX holds their Product Grades. The intention is to bring understanding of the clear differences between the Consumer, Automotive, COTS+, and Hi-Rel Product Grades so that engineers can make more informed decisions as technology advances.