

Micro-module airflow suppression scheme



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2.1.2 Structural Panels with MMOD Protection Capability A modern trend in MMOD protection involves using structural panels with integrated MMOD protection capabilities, such as honeycomb structural ...



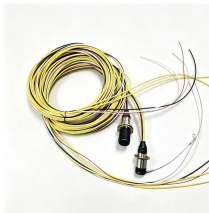
New sensing technologies, protection schemes and inverter controls enable the operation of such networked microgrids in terms of providing black start capability and protection coordination.



Based on the working principles of supersonic dynamic micro-mist dust collection and vortex dust control, this paper proposes a dynamic micro-mist vortex dust control system for the coal ...



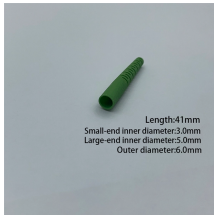
These findings underscore the distinct effects of spraying and water curtain systems on tunnel ventilation and offer valuable insights for the design and optimization of airflow control and ...



Computational fluid dynamics models of the cleanroom with three ventilation schemes, where the position of the micro-porous air supplying panel was altered to create unidirectional...



There are 4 total states: idle, anti-icing, air-purge, and full purge. This system does not come standard with the LM series packages. Anti-icing system prevents ice related internal damage to engine ...



To address these limitations, this study proposes a multi-stage stepped local-enclosure micro-mist dust-suppression system.



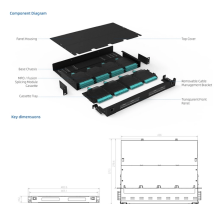
Various enhancement techniques for flow boiling in micro/mini-channels have been investigated in recent years. These mainly include various surface modifications, enhanced channel ...



Preface This document provides information on the recommended use of AERMOD to address specific issues and concerns related to the implementation of AERMOD for regulatory applications. The ...



Objective: use the Bumper risk assessment code to estimate the micrometeoroid and orbital debris (MMOD) risk to a spacecraft for a given set conditions.



An improved multi-module gas purification device is capable of removing micro-particles with an overall efficiency of over 95% at an average velocity of 16 m/s under a flow distribution ratio ...



Multiscale enhancement, combining macro, micro, and nano features as well as favorable coolant flow control, is shown highly effective at tackling very high heat flux situations. Also included in this review ...

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