

Abstracts

Superconductors and cryotechnology for space communications-adaptation of a new technology for applications

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This paper presents our work on evaluation and qualification of superconductor and cryotechnology for commercial space applications. Issues like characterisation of the HTSC thin films, passivation of superconducting devices against moisture, evaluation and qualification programs for assembly and mounting technologies, qualification methods and procedures for superconducting devices in low and high RF power application are as well addressed as evaluation and qualification of the cryotechnology and the cryocoolers.

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