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Stripline and Microstrip for cryogenic applications

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Stripline and Microstrip with the characteristics of low-cost, high reliability and easy installing are more suitable for the cryogenic applications compared with semi-rigid coaxial cables. The stripline and microstrip were designed and fabricated in our laboratory through researching into thermal conductivity of the internal and external conductors and the technology of microwave and electromagnetic wave transmission. A trade-off between the heat load and signal insertion loss can be applied to different applications. The successful development of Stripline and Microstrip will contribute to the compactness of superconducting and quantum computer.

Less than 5 years of experience since completion of Ph.D

Y

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