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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Flow Boiling Heat Transfer and Pressure Drop Characteristics in Expanding Microgap Channel -- Flow Boiling Instabilities in Expanding Microgap Channel -- Flow Boiling Heat Transfer, Pressure Drop and Instabilities in Straight and Expanding (Sloping Fin) Microchannels - A Comparative Study -- Flow Boiling Performance in Scaled Up Expanding Channel Geometries: Stepped Fin Minichannels -- Closure.
Sommario/riassunto	This Brief presents an up to date summary of details of the flow boiling heat transfer, pressure drop and instability characteristics; two phase flow patterns of expanding microchannels. Results obtained from the different expanding microscale geometries are presented for comparison and addition to that, comparison with literatures is also performed. Finally, parametric studies are performed and presented in

the brief. The findings from this study could help in understanding the complex microscale flow boiling behavior and aid in the design and implementation of reliable compact heat sinks for practical applications.

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