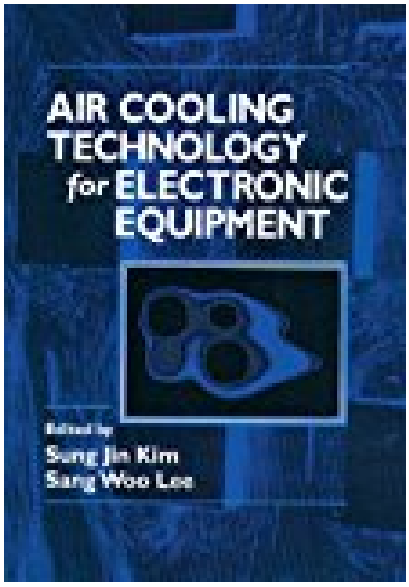
Air Cooling Technology for Electronic Equipment



BOOK DETAILS

- Author :
- Pages : 272 Pages
- Publisher : CRC Press
- Language : English
- ISBN : 0849394473

BOOK SYNOPSIS

Clear your bookcase of references containing bits and pieces of useful information and replace them with this thorough, single-volume guide to thermal analysis. Air Cooling Technology for Electronic Equipment is a helpful, practical resource that answers questions frequently asked by thermal and packaging engineers grappling with todays demand for increased thermal control in electronics. Superbly organized for quick reference, the book dedicates each chapter to answering fundamental questions, such as: What is the optimal spacing between the printed circuit boards? What is a good estimate of the heat transfer coefficient and the associate pressure drop for forced convection over package arrays? How are heat transfer and fluid flow characteristics in the entrance region different from those in the fully developed region? What is the effect of substrate conduction on convection cooling? The chapters, written by engineers and engineering educators who are experts in electronic cooling, are packed with details and present the latest developments in air cooling techniques and thermal design guidelines. They provide problem-solving analyses that are jargon-free, straightforward, and easy to understand. Air Cooling Technology for Electronic Equipment is a handy source of technical information for anyone who wants to get the most out of air cooling.

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