Artwork Placement and Exposure | p. 117
---|---
Etching | p. 121
Chapter Summary | p. 129
Bonding Techniques | p. 131
Introduction | p. 131
Solder | p. 132
Epoxy | p. 141
Bonds | p. 149
Thermocompression Bonding | p. 150
Ultrasonic Bonding | p. 156
Thermosonic Bonding | p. 157
Component and Substrate Attachment | p. 158
Chapter Summary | p. 163
Connectors and Transitions | p. 165
Introduction | p. 165
Microwave Connectors | p. 165
SMA Connectors | p. 168
TNC Connectors | p. 171
Type-N Connectors | p. 174
APC-7 Connector | p. 177
K Connector | p. 180
Transitions | p. 182
Chapter Summary | p. 189
Microwave Packaging | p. 191
Introduction | p. 191
Microstrip Packages | p. 198
Stripline Packaging | p. 209
Package Sealing | p. 217
Chapter Summary | p. 217
Dielectric Constants | p. 219
Coefficients of Expansion | p. 221
Chemical Symbols | p. 223
Melting Points | p. 225
Temperature Conversion | p. 227
Data Sheets for Microwave Laminates | p. 233
References | p. 279
Index | p. 283