

Quality Feature of Peltier Modules

The blue colored columns are very important. These values mostly not indicated.

Please ask for this values implicitly

Products which does not meet these terms could not be recommended !!!

<i>Feature</i>	<i>Funktion</i>	<i>Benefit</i>
Figure of Merit Z of the semiconductor material	2,8 to 3,0 x 10 ⁻³ x K-1	higher cooling capacity by less current
Antidiffusion Barriers	Solder architecture	very long range durability
Thermal Cycling Stability	modified design patented technology	very long range durability
High Quality of Semicunductor	constant resistance	any junction among each other
Flatness and Parallel Variance Accuracy	+/- 0,02 mm	High Thermal Efficiency
RoHS	Compliant with the European Directive 2002/95/EC	Leadfree modules
Current Repeatability Batch for batch the same values and tolerances	AQL 0,65	application reliability
Thermal Resistance	cycling reliability	longer durability
Mechanical Resistance	use of high quality material	less mechanical fail
Protection against Corrosion	internal and external sealing	no corrosion happens
Dimensional Accuracy	better than +/- 0,2 mm	Assembling Reliability
High Standard-Temperature Range	150 °C / 183 °C m.p.t.	high thermal load
High Temperature Range	200 °C / 230 °C m.t.p.	enhanced thermal load
ISO 9001 Certificate	Zero Defect Operation	high reliability