


Our solution for efficient heat dissipation in thermally cycled systems:

Aluminium Graphite

Schunk produces lightweight parts and components made of expansion-controlled Aluminium Graphite composites for high reliability applications in microelectronics and power electronics packaging.

Challenges:	SCHUNK Solutions:
<p>Power Electronics:</p> <ul style="list-style-type: none"> → Thermally induced mechanical stress impacting on reliability/lifetime → Insufficient heat dissipation → Weight issues with conventional heat sinks <p>Microelectronics:</p> <ul style="list-style-type: none"> → Necessity for complex shaped parts → Weight constraints 	<p>Power Electronics:</p> <ul style="list-style-type: none"> → Base plates & coolers for power modules → Shims & spacers → Soldering jigs and fixtures <p>Microelectronics:</p> <ul style="list-style-type: none"> → Flanges for power amplifiers → Housings for diode lasers → Heat sinks & heat spreaders
<p>Benefits for our customers:</p> <p>Superior thermal management solutions:</p> <ul style="list-style-type: none"> → Rapid heat transport → Customized expansion behavior → Lightweight solutions → Customer-specific designs → Functional surfaces → Extended lifetime 	

For further information, please contact our expert:

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