

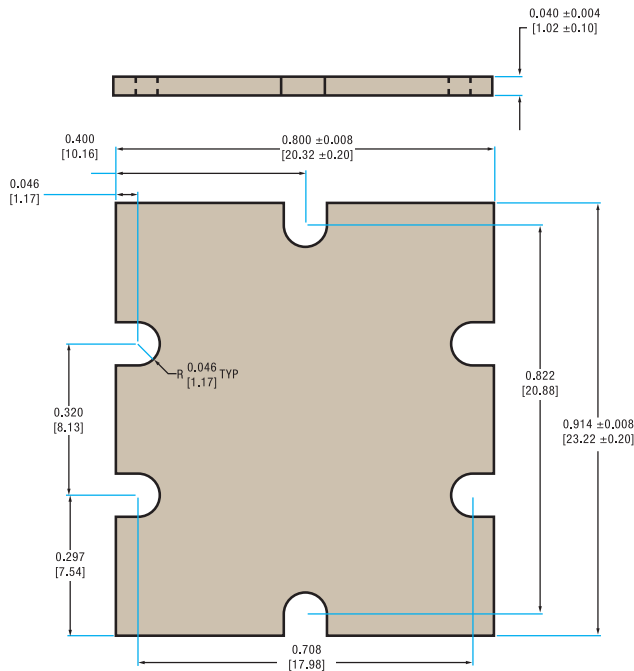
High Conductivity Aluminum Diamond Heat Spreader AS-D60

for Industrial, Space and Aerospace Applications



Product Sales Sheet

Al-Diamond Dimensions & Tolerances



BENEFITS

- Thermal conductivity reaching 500 W/mk
- CTE matched to various semiconductor materials
- Heat spreaders provided with Ni/Au electrolytic or electroless plating

AL-DIAMOND AS-D60 MATERIAL PROPERTIES*

- Thermal Conductivity (RT): ≥ 450 W/mK (thickness ≥ 0.76 mm to 1.3mm)
 - Thermal Conductivity (RT): ≥ 500 W/mK (thickness ≥ 1.3 mm)
 - Thermal Expansion (RT-400°C): $8.0 \times 10^{-6}/K \pm 0.5$ (thickness ≥ 0.76 mm to 1.0mm)
 - Thermal Expansion (RT-400°C): $7.6 \times 10^{-6}/K \pm 0.5$ (thickness ≥ 1.00 mm to 1.30mm)
 - Thermal Expansion (RT-400°C): $7.2 \times 10^{-6}/K \pm 0.5$ (thickness ≥ 1.30 mm)
 - Density: 3.10 g/cc to 3.26g/cc
 - Specific Heat: 0.62 J/gK
 - Flexural Strength: 300 MPa
 - Modulus: 340 GPa
 - Electrical Resistivity: $\leq 3.7 \times 10^{-7}$ ohm•m
- *Typical properties. Actual results may vary

NMIC P/N	DESCRIPTION	MIN QTY	MAX QTY	PRICE
64-W5823C01A	Al-Diamond AS-D60, 0.800" x 0.914" x 0.040" Ni/Au Plated (4.0 micron Nickel, 2.0 Micron Gold)	500	1,000	Contact Us

Shipping and handling apply. Export restrictions may apply based on end country and application.

