Aluminum Nitride Cylinder as ABCD Heatsink

AiN: $0.5W \frac{330 \text{ um}}{165 \times 11.3 \text{ mm}^2} = 0.09 \text{ degree}$
Ag epoxy: $0.5W \frac{25 \text{ um}}{1.6 \times 11.3 \text{ mm}^2} = 0.7 \text{ degree}$
Diamond epoxy: $0.5W \frac{25 \text{ um}}{2.57 \times 11.3 \text{ mm}^2} = 0.43 \text{ degree}$

Total: 1.22 degree

Aluminum Nitride Cylinder as ABCD
Heatsink

0.400 cm
hole in Kapton

Kapton: 6 layers
Base

AlN cylinder 3.8 mm* 330 um high
165 W/m*K

Tra-con Supertherm 2003 diamond filled epoxy
2.57 W/m*K

Silver epoxy, 1.6 W/m*K