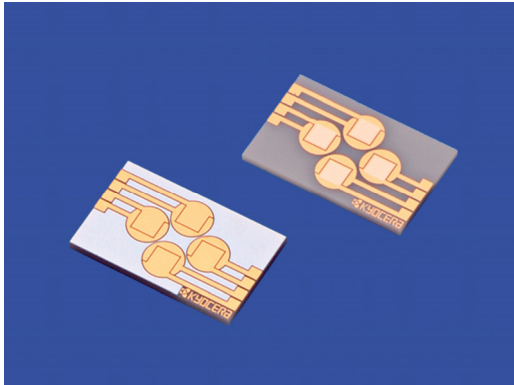


Thin-film Metallized AlN LED Substrate

Ceramic Solution for **Automotive LED Headlamp**

Product



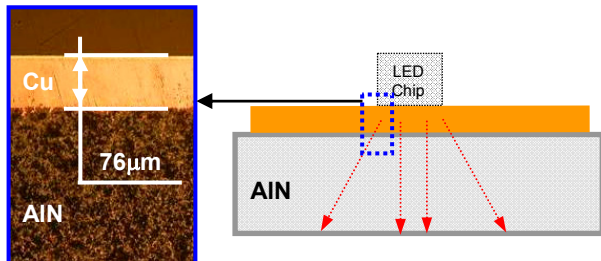
Features

- High Heat Dissipation
 - AlN Thermal Conductivity : 170 or 200 W / mK
 - Thick Copper Plating for Low Thermal Resistance (Option)
 - AuSn Thin-film Pre-coating Available for Easy Chip Attachment
- Tight Tolerance of Thin-film Pattern
 - Pattern Line and Space Tolerance : +/- 0.02mm
- Aluminum Thin-film Reflector Available

Thick Copper Plating Structure

Cross Section

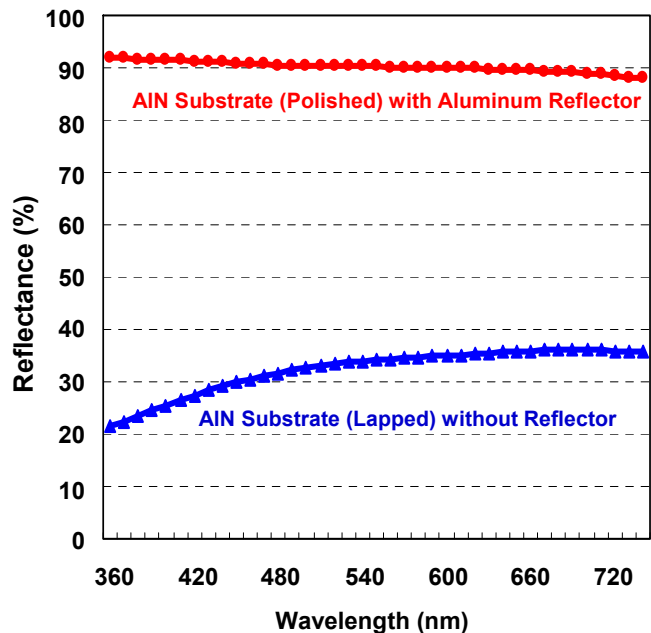
Thick Copper Plating



* Aluminum thin-film reflector is not applicable on the thick copper plated substrate

Aluminum Thin-film Reflector

Comparison of Reflectance



AlN Substrate Thickness: 0.63mm
Aluminum Thickness: 3µm

Thin-film AuSn Pre-coating

Cross Section

