



XL-25W/XL-25D Series Ceramic Heat Spreader

Features

- Best for limited space
- Low thermal expansion coefficient
- Reliable insulation performance
- Low thermal expansion coefficient
- Non-toxic and durable for high temperature
- Durable for thermal shock

Application:

Adaptive to dramatic environmental changes

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Standard Sizes (mm):

| | | |
|------------------------|------------------------|-----------------------|
| 01. TO-220 20x14x0.635 | 04. TO-247 22x17x0.635 | 07. TO-264 28x22x1.0 |
| 02. TO-220 20x14x1.0 | 05. TO-247 22x17x1.0 | 08. TO-3P 25x20x0.635 |
| 03. TO-220 12x18.5x1.0 | 06. TO-264 28x22x0.635 | 09. TO-3P 25x20x1.0 |

Properties

| Properties | Unit | XL-25W | XL-25D | Test Method |
|--------------------------------------|---------------------|--------------------------------|----------------------|-------------|
| Thermal Conductivity | W/m•K | 25 | 190~210 | - |
| Color | - | White | Dark Gray | - |
| Dielectric Breakdown Voltage | KV/mm | ≥15 | ≥18.45 | ASTM D149 |
| Bulk Density | g/cm ³ | ≥3.8 | 3.32 | CNS 619 |
| Volume Resistivity | Ohm-m | 10 ¹² | 1.4×10 ¹³ | - |
| Flexural Strength | kgf/cm ² | 4078.8 | 3416 | CNS 12701 |
| Linear Thermal Expansion Coefficient | 10 ⁻⁶ | 6.6~8 | 2.805 | RT~300° C |
| Main Composition | - | Al ₂ O ₃ | AlN | - |

T-Global USA LLC

2880 Zanker Road, Suite 103, San Jose, CA 95134, USA

T +1(669)345-0002 E usa@tglobalcorp.com W tglobal-usa.com

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