



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	-

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