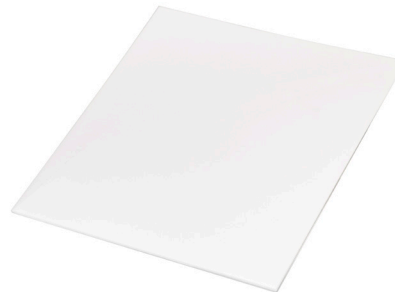
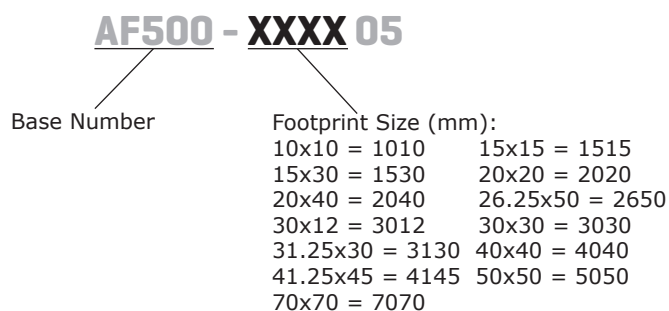


**SERIES:** AF500 | **DESCRIPTION:** THERMAL PAD**FEATURES**

- 3.0 W/m\*K thermal conductivity
- naturally tacky
- silicone free
- electrical isolation
- sizes to match CUI Devices peltier footprints

**SPECIFICATIONS**

| parameter                    | test method/conditions/description | min | typ              | max | units                 |
|------------------------------|------------------------------------|-----|------------------|-----|-----------------------|
| material                     | non-silicone elastomer             |     |                  |     |                       |
| color                        | white                              |     |                  |     |                       |
| thickness                    | ASTM D374                          |     | 0.5              |     | mm                    |
| specific gravity             | ASTM D792                          |     | 2.9              |     | g/cc                  |
| hardness                     | ASTM D2240                         | 65  |                  | 90  | shore OO              |
| tensile strength             | ASTM D412                          |     | 30               |     | psi                   |
| operating temperature        |                                    | -40 |                  | 130 | °C                    |
| dielectric breakdown voltage | ASTM D149                          | 200 |                  |     | Vac/mil               |
| dielectric constant (1 MHz)  | ASTM D150                          |     | 8.0              |     |                       |
| volume resistivity           | ASTM D257                          |     | 10 <sup>13</sup> |     | Ω*cm                  |
| thermal conductivity         | ASTM D5470                         |     | 3.0              |     | W/m*K                 |
| thermal resistance           | 1 mm, 40 psi; ASTM D5470           |     | 0.6              |     | °C*in <sup>2</sup> /W |
| compression ratio            | 1 mm, 40 psi                       |     | 35               |     | %                     |
| flammability rating          | UL94V-0                            |     |                  |     |                       |
| RoHS                         | yes                                |     |                  |     |                       |

**PART NUMBER KEY**

## REVISION HISTORY

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| rev. | description       | date       |
|------|-------------------|------------|
| 1.0  | initial release   | 11/15/2018 |
| 1.01 | brand update      | 03/23/2020 |
| 1.02 | modified material | 04/09/2021 |

The revision history provided is for informational purposes only and is believed to be accurate.

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# CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.