



## SERIES: AF500 | DESCRIPTION: THERMAL PAD

### FEATURES

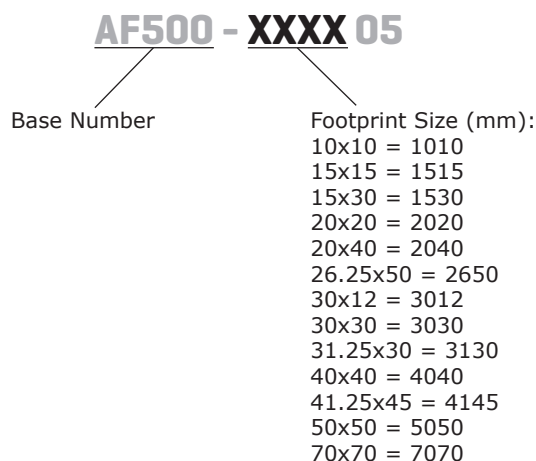
- 3.0 W/m\*K thermal conductivity
- naturally tacky
- silicone free
- electrical isolation
- sizes to match CUI peltier footprints



### SPECIFICATIONS

| parameter                    | test method/conditions/description | min  | typ              | max | units    |
|------------------------------|------------------------------------|------|------------------|-----|----------|
| material                     | non-silicone elastomer             |      |                  |     |          |
| color                        | grey                               |      |                  |     |          |
| thickness                    | ASTM D751                          |      | 0.5              |     | mm       |
| specific gravity             | ASTM D297                          |      | 2.9              |     | g/cc     |
| hardness                     | ASTM D2240                         | 65   |                  | 75  | shore OO |
| tensile strength             | ASTM D412                          |      | 30               |     | psi      |
| continuous use temperature   |                                    | -45  |                  | 125 | °C       |
| dielectric breakdown voltage | ASTM D149                          | 2500 |                  |     | V        |
| 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    |
| RoHS                         | yes                                |      |                  |     |          |

### PART NUMBER KEY



## REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/15/2018 |

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

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

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