

**SERIES:** SF100 | **DESCRIPTION:** THERMAL PAD**FEATURES**

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

**SPECIFICATIONS**

| parameter                    | test method/conditions/description | min  | typ              | max | units    |
|------------------------------|------------------------------------|------|------------------|-----|----------|
| material                     | silicone elastomer                 |      |                  |     |          |
| color                        | blue                               |      |                  |     |          |
| thickness                    | ASTM D751                          |      | 0.5              |     | mm       |
| specific gravity             | ASTM D297                          |      | 2.2              |     | g/cc     |
| hardness                     | ASTM D2240                         | 15   |                  | 80  | shore OO |
| tensile strength             | ASTM D412                          |      | 35               |     | psi      |
| continuous use temperature   |                                    | -58  |                  | 200 | °C       |
| dielectric breakdown voltage | ASTM D149                          | 2500 |                  |     | V        |
| dielectric constant (1 MHz)  | ASTM D150                          |      | 6.0              |     |          |
| volume resistivity           | ASTM D257                          |      | 10 <sup>13</sup> |     | Ω*cm     |
| thermal conductivity         | ASTM D5470                         |      | 1.5              |     | W/m*K    |
| RoHS                         | yes                                |      |                  |     |          |

**PART NUMBER KEY****SF100 - XXXX 05**

Base Number

Footprint Size (mm):

10x10 = 1010  
 15x15 = 1515  
 15x30 = 1530  
 20x20 = 2020  
 20x40 = 2040  
 26.25x50 = 2650  
 30x12 = 3012  
 30x30 = 3030  
 31.25x30 = 3130  
 40x40 = 4040  
 41.25x45 = 4145  
 50x50 = 5050  
 70x70 = 7070

## REVISION HISTORY

---

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/02/2018 |
| 1.01 | brand update    | 03/23/2020 |

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

---

# 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.