

**SERIES:** SF500G | **DESCRIPTION:** THERMAL PAD**FEATURES**

- 3.5 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                          |      | 3.0              |     | g/cc     |
| hardness                     | ASTM D2240                         | 25   |                  | 80  | shore 00 |
| tensile strength             | ASTM D412                          |      | 25               |     | 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                         |      | 3.5              |     | W/m*K    |
| RoHS                         | yes                                |      |                  |     |          |

**PART NUMBER KEY****SF500G - 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                      | 03/24/2020 |
| 1.02 | logo, datasheet style update      | 08/05/2022 |
| 1.03 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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

