

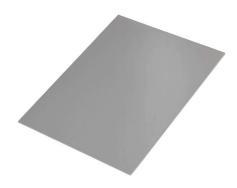
**date** 08/05/2022

page 1 of 2

# SERIES: SF600 | DESCRIPTION: THERMAL PAD

#### **FEATURES**

- 5.0 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                        | dark grey                          |      |                  |     |          |
| thickness                    | ASTM D751                          |      | 0.5              |     | mm       |
| specific gravity             | ASTM D297                          |      | 3.1              |     | g/cc     |
| hardness                     | ASTM D2240                         | 35   |                  | 80  | shore 00 |
| tensile strength             | ASTM D412                          |      | 20               |     | 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                         |      | 5.0              |     | W/m*K    |
| RoHS                         | yes                                |      |                  |     |          |

## **PART NUMBER KEY**

SF600 - XXXX 05

Base Number

Footprint Size (mm):

10x10 = 1010

15x15 = 1515 15x30 = 1530

20x20 = 2020

20x40 = 2040

26.25×50 = 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              | 11/15/2018 |  |
| 1.01 | brand update                 | 03/24/2020 |  |
| 1.02 | logo, datasheet style update | 08/05/2022 |  |

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



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

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## **CUI Devices**:

<u>SF600-101005</u> <u>SF600-151505</u> <u>SF600-153005</u> <u>SF600-202005</u> <u>SF600-204005</u> <u>SF600-265005</u> <u>SF600-707005</u> SF600-301205 SF600-303005 SF600-313005 SF600-404005 SF600-414505 SF600-505005