

**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 00 |
| 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 |
| 1.02 | logo, datasheet style update | 08/05/2022 |

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



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