

**SERIES:** SF100S | **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 | 30 | | 50 | 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 ¹³ | | Ω*cm |
| thermal conductivity | ASTM D5470 | | 1.5 | | W/m*K |
| RoHS | yes | | | | |

PART NUMBER KEY**SF100S - 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 |
| 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.



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

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