

date 08/05/2022

page 1 of 2

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 ¹³		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 = 301230x30 = 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	

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.

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

CUI Devices:

<u>SF500G-101005</u> <u>SF500G-151505</u> <u>SF500G-153005</u> <u>SF500G-202005</u> <u>SF500G-204005</u> <u>SF500G-265005</u> <u>SF500G-</u>707005 <u>SF500G-301205</u> <u>SF500G-303005</u> <u>SF500G-313005</u> <u>SF500G-404005</u> <u>SF500G-414505</u> <u>SF500G-505005</u>