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SERIES: AF500 | DESCRIPTION: THERMAL PAD

FEATURES

- 3.0 W/m*K thermal conductivity
- naturally tacky
- silicone free
- electrical isolation
- sizes to match CUI Devices peltier footprints



RoHS

SPECIFICATIONS

parameter	test method/conditions/description	min	typ	max	units
material	non-silicone elastomer				
color	white				
thickness	ASTM D374		0.5		mm
specific gravity	ASTM D792		2.9		g/cc
hardness	ASTM D2240	65		90	shore OO
tensile strength	ASTM D412		30		psi
operating temperature		-40		130	°C
dielectric breakdown voltage	ASTM D149	200			Vac/mil
dielectric constant (1 MHz)	ASTM D150		8.0		
volume resistivity	ASTM D257		10 ¹³		Ω*cm
thermal conductivity	ASTM D5470		3.0		W/m*K
thermal resistance	1 mm, 40 psi; ASTM D5470		0.6		°C*in²/W
compression ratio	1 mm, 40 psi		35		%
flammability rating	UL94V-0				
RoHS	Ves				

PART NUMBER KEY

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AF500 - 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
 50x50 = 5050

REVISION HISTORY

rev.	description	date
1.0	initial release	11/15/2018
1.01	brand update	03/23/2020
1.02	modified material	04/09/2021
1.03	logo, datasheet style update	08/05/2022
1.04	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.

same sky

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Same Sky 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.