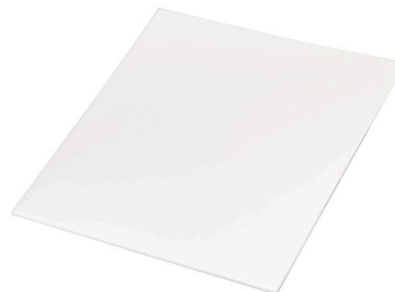


**SERIES:** AF500 | **DESCRIPTION:** THERMAL PAD**FEATURES**

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

**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 00
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 <sup>13</sup>		Ω*cm
thermal conductivity	ASTM D5470		3.0		W/m*K
thermal resistance	1 mm, 40 psi; ASTM D5470		0.6		°C*in <sup>2</sup> /W
compression ratio	1 mm, 40 psi		35		%
flammability rating	UL94V-0				
RoHS	yes				

**PART NUMBER KEY****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

## 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

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.

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