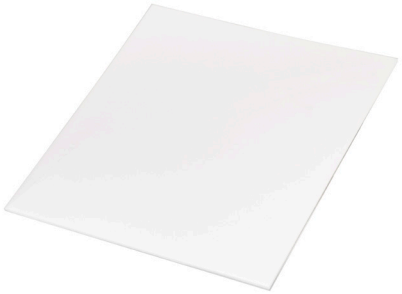
CUI DEVICES

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 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^{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	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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