



## SERIES: AF100 | DESCRIPTION: THERMAL PAD

### FEATURES

- 1.0 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		2.1		g/cc
hardness	ASTM D2240	60		90	shore 00
tensile strength	ASTM D412		30		psi
operating temperature		-40		120	°C
dielectric breakdown voltage	ASTM D149	200			Vac/mil
dielectric constant (1 MHz)	ASTM D150		4.0		
volume resistivity	ASTM D257		$3 \times 10^{13}$		$\Omega \cdot \text{cm}$
thermal conductivity	ASTM D5470		1.0		W/m*K
thermal resistance	1 mm, 40 psi; ASTM D5470		1.1		°C*in <sup>2</sup> /W
compression ratio	1 mm, 40 psi		30		%
flammability rating	UL94V-0				
RoHS	yes				

### PART NUMBER KEY

**AF100 - 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	modified material	04/06/2021
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.

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