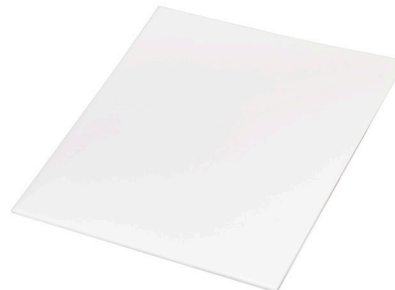
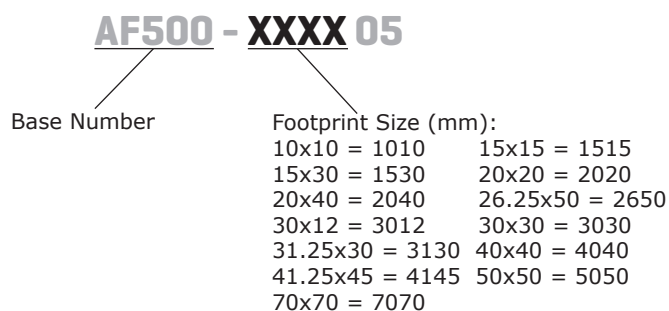


**SERIES:** AF500 | **DESCRIPTION:** THERMAL PAD**FEATURES**

- 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 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 <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**

## REVISION HISTORY

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rev.	description	date
1.0	initial release	11/15/2018
1.01	brand update	03/23/2020
1.02	modified material	04/09/2021

The revision history provided is for informational purposes only and is believed to be accurate.

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CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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