

date 08/05/2022

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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* 10 ¹³		Ω*cm
thermal conductivity	ASTM D5470		1.0		W/m*K
thermal resistance	1 mm, 40 psi; ASTM D5470		1.1		°C*in²/W
compression ratio	1 mm, 40 psi		30		%
flammability rating	UL94V-0				
RoHS	yes				

PART NUMBER KEY

AF100 - XXXX 05

Base Number

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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