



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# T68 Graphite Sheets



T68 is a highly oriented pyrolytic graphite sheet with high thermal conductivity. A heat source can reduce temperature by spreading heat over the T68. It is flexible and has features of ultra-thin and high EMI shielding effect.



## Features

- Excellent thermal conductivity: 1600 W/mK (4x as high as copper, 7x as high as aluminium)
- Lightweight: Specific gravity: 2.3g/cm<sup>3</sup>
- Flexible and easy to be cut or trimmed
- Low thermal resistance
- Low moisture content: <1%

## Applications

- Smart phones, mobile phone, NB, Tablet PC
- LED backlight, PDP / LCD / OLED display, High power LED
- DVC, DVS, PC card

## Properties

Property		Test Methods	T68
Thickness (µm)		Micrometer	25
Thermal conductivity (W/m.k)	XY axis	AC calorimeter	1600
	Z axis	Laser flash	5
Thermal diffusivity (cm <sup>2</sup> /S)		AC calorimeter	8.75
Density (g/cm <sup>3</sup> )		Archimedes law	2.26
Electrical conductivity (S/cm)		JIS K7194	18000
Flexibility		MIT	Flexible

## Rating and Characteristics

Type	Adhesive Type		Laminated Type			
	One side with adhesive	One side with adhesive	One side with PET, one with adhesive	One side with PET, one with adhesive	One side with PET, one with adhesive	
Front face	-	-	PET 30 µm	PET 10 µm	PET 30 µm	
Rear face	Adhesive tape 30µm	Adhesive tape 10µm	Adhesive tape 30µm	Adhesive tape 10µm	Adhesive tape 10µm	
Structure						
Edge shape	-	-	No envelope 1.5mm envelope	No envelope 1.5mm envelope	No envelope 1.5mm envelope	
Features	Withstanding voltage: 2 kV	Withstanding voltage: 1 kV	Withstanding voltage: PET tape: 4 kV Adhesive tape: 2kV	Withstanding voltage: PET tape: 1 kV Adhesive tape: 1kV	Withstanding voltage: PET tape: 4 kV Adhesive tape: 1kV	
Withstand Temp.	100°C	100°C	100°C	100°C	100°C	
Size	290 x 290mm	290 x 290mm	290 x 290mm	290 x 290mm	290 x 290mm	
25 µm	Part No.	T68-1A	T68-1B	T68-2A	T68-2B	T68-2C
	Thickness	55µm	35µm	85µm	45µm	65µm