

Product Data Sheet



t-Global Part No.	LP0003/01-PC99-0.06									
Digi-Key Part No.	1168-1765-ND									
Description	Thermal interface phase change material									
Manufacturer	t-Global Technology									
Part Number scheme	[LP][PCB type]/[##]-[XXX]-[T]-[#A]-[P]									
	[LP][PCB type]/	##	XXX	T	#A	P				
	Die-Cut for PCB type: LP0003	Variant: 01	T-Global thermal interface pad material: PC99	Thickness 0.06mm	Adhesive 1A – one side 2A –two sides	Pull tab				
Typical application	Thermal interface pad for Luxeon L XK8-PWxx-0004 LED board									
Material code	PC99	Unit	Thermal pad dimensions (mm)							
Thickness	0.06	mm	<p>The technical drawing shows a diamond-shaped thermal pad with a central circular hole. Dimensions include: overall width 17.57 ±0.10 mm, overall height 17.57 ±0.10 mm, hole diameter 19.00 ±0.15 mm, distance from hole center to top edge 9.40 mm, distance from hole center to bottom edge 9.40 mm, distance from hole center to left edge 5.72 mm (2 Places), distance from hole center to right edge 5.72 mm (2 Places), distance from hole center to top-left corner 8.50 mm (2 Places), distance from hole center to top-right corner 7.50 mm (2 Places), distance from hole center to bottom-left corner 6.25 mm (2 Places), and distance from hole center to bottom-right corner 6.25 mm (2 Places). A reference view shows the irregular shape of the pad.</p>							
Surface characteristic	Tacky									
Features	Low thermal resistance Natural tack									
Phase change softening point	52	°C								
Thermal conductivity	1.5	W/m.K								
Operating temperature range	-30 to 125	°C								
Specific gravity	2.35	g/cm ³								
Surface resistance	> 10 ¹²	Ohm - cm								
Thermal resistance 30 psi	0.1	°C /W								
Tensile strength	0.1	Kgf/cm ²								
UL Flammability	V-0 (method UL 94)									
Elongation	5									
Colour	Yellow									
Recommendations:										

Revision of these specifications is carried out after consent. We reserve the right to make changes without notification.