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!

Contact us

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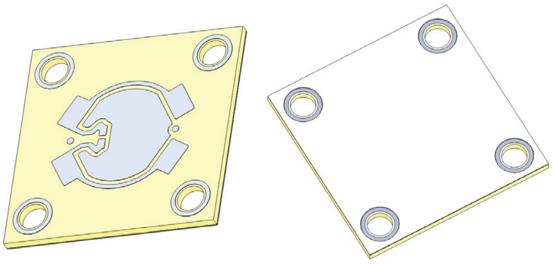
TG-CPCB3-LI98-0.15
Ceramic PCB with thermally conductive adhesive tape



Features

Patterned according to standard LED configurations
Supplied with thermally conductive adhesive tape for ease of mounting
Superior thermal management compared to FR4 and IMPCB
Reduced cost of ownership
Reduced manufacturing complexity

Applications

t-Global's range of ceramic circuit boards are designed for use with Philip's Luxeon range of LEDS. The correct patterning for these LEDS has been applied on the surface of each board for ease of manufacture.

TG-CPCB3 Properties

TG-CPCB2 Property	Functional Characteristics
Substrate	Al_2O_3
Thermal Conductivity	24 W/m-k
Thickness	1.15mm
Metal Plate Stack Up	Cu 30 microns, Au 0.2 microns

Li-98 Properties

Property	Li-98	Unit	Test Method
Thickness	0.15	-	ASTM D374
Colour	White	-	Visual
Reinforcement carrier	Fibreglass mesh	-	-
Density	1.85	g/cm^3	ASTM D792
Tensile strength	200	psi	ASTM D412
Glass transition temperature	-30	˚C	-
Short time use temperature (30sec)	200	˚C	-
Continuous working temperature	-30 to 120	˚C	-
Thermal conductivity	0.95	W/mK	ASTM D5470
Thermal impedance @ ‹1psi	1.0	C in 2/W	ASTM D5470
Thermal impedance @ 50psi	0.9	C in 2/W	ASTM D5470
Initial tack	11	cm	PSTC-6
Lap shear strength	61	N/cm^2	ASTM D1002
Die shear strength @ 25 ˚C	120	N/cm^2	-
Die shear strength @ 80 ˚C	69	N/cm^2	-
Holding power 1000g @ 25 ˚C using 1 in^2	›10000	min	PSTC-7
Holding power 1000g @ 80 ˚C using 1 in^2	›10000	min	PSTC-7
180º peeling strength (aluminium)	4	N/cm	ASTM D3330
Dielectric breakdown voltage (Vac)	›2	kV	ASTM D149
Dielectric breakdown voltage (Vdc)	›3	kV	ASTM D149