


# Product Data Sheet



|   |  |                   |  |                         |  |          |
|---|--|-------------------|--|-------------------------|--|----------|
| <b>t-Global Part No.</b>  | <b>LP0005/01-Li98-0.15</b>                                       |                   |  |                         |  |          |
| <b>Digi-Key Part No.</b>  | <b>1168-1769-ND</b>  |                   |  |                         |  |          |
| Description   | Thermal tape   |                   |  |                         |  |          |
| Manufacturer  | t-Global Technology  |                   |  |                         |  |          |
| Part Number scheme  | [LP][PCB type]/[##]-[XXX]-[T]-[#A]-[P]                           |                   |  |                         |  |          |
|   | <b>[LP][ PCB type]/</b>  | <b>##</b>         | <b>XXX</b>   | <b>T</b>                | <b>#A</b>                                  | <b>P</b> |
|   | Die-Cut for PCB type: <b>LP0005</b>                              | Variant: 01       | T-Global thermal interface pad material: <b>Li98</b> | Thickness <b>0.15mm</b> | Adhesive<br>1A – one side<br>2A –two sides | Pull tab |
| Typical application   | Thermal interface pad for Luxeon LXX8-PWxx-0016 & 0012 LED board |                   |  |                         |  |          |
| Material code   | <b>Li98</b>  | Unit              | Thermal pad dimensions (mm)                          |                         |  |          |
| Thickness   | 0.15   | mm                |  |                         |  |          |
| Reinforcement carrier   | Fibreglass mesh  | -                 |  |                         |  |          |
| Features  | Good thermal conductivity<br>Good adhesion<br>Easy to assemble   |                   |  |                         |  |          |
| Thermal conductivity  | 0.95   | W/m.K             |  |                         |  |          |
| Thermal impedance @ < 1psi  | 1.0  | °C /W             |  |                         |  |          |
| 180° peeling strength (aluminium)   | 4  | N/cm              |  |                         |  |          |
| Lap shear strength  | 61   | N/cm <sup>2</sup> |  |                         |  |          |
| Die shear strength @ 25 °C  | 120  | N/cm <sup>2</sup> |  |                         |  |          |
| Operating temperature range   | -30 to 120   | °C                |  |                         |  |          |
| Holding power 1 Kg @ 25 °C using 1 in <sup>2</sup>                                  | > 10,000   | min               |  |                         |  |          |
| Tensile strength  | 200  | Psi               |  |                         |  |          |
| Dielectric breakdown voltage (Vdc)  | > 3  | kV                |  |                         |  |          |
| Colour  | White  |                   |  |                         |  |          |
|  |  |                   |  |                         |  |          |
| Recommendations:  |  |                   |  |                         |  |          |

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