



## Line Extension

# Thermal Management Material

## Expanded Thickness Options and New Semi-Sealing Material Now Available!



Panasonic is pleased to introduce the expansion of the **Pyrolytic Graphite Sheet (PGS)** product line. This groundbreaking thermal management material is now available in several new thicknesses. PGS can now be ordered in 10µm, 17 µm, 40 µm, and 50 µm thicknesses for expanded application coverage. In addition, Panasonic is also introducing a new option to the PGS family called **Semi-Sealing Material (SSM)** layer. This is an elastomer layer that helps to facilitate the spread of heat generated by a PC board. Because it is compressible, this SSM layer fills the voids that are inherently present on any circuit board for greater contact with the heat source(s). This new option is ideal for applications where both electrical isolation and thermal management are required.

## Features

- Lightweight
- Mechanically Flexible
- Strong Shielding Characteristics
- Compressible (SSM)

## Industries

- Lighting
- Power
- Consumer Electronics
- Aerospace

## Benefits

- 1/5 the Weight of Copper and 1/2 the Weight of Aluminum
- Can Be Mounted to Curved Surface or Act as a Heat Pipe
- Ideal for Electrical and Magnetic Field Suppression up to 1000MHz
- Conforms to the Shape of Components for Lower Thermal Resistance

## Applications

- LED Modules, LED Drivers
- Micro Inverters, IGBT Modules
- Radio Devices, Tablets
- Satellites