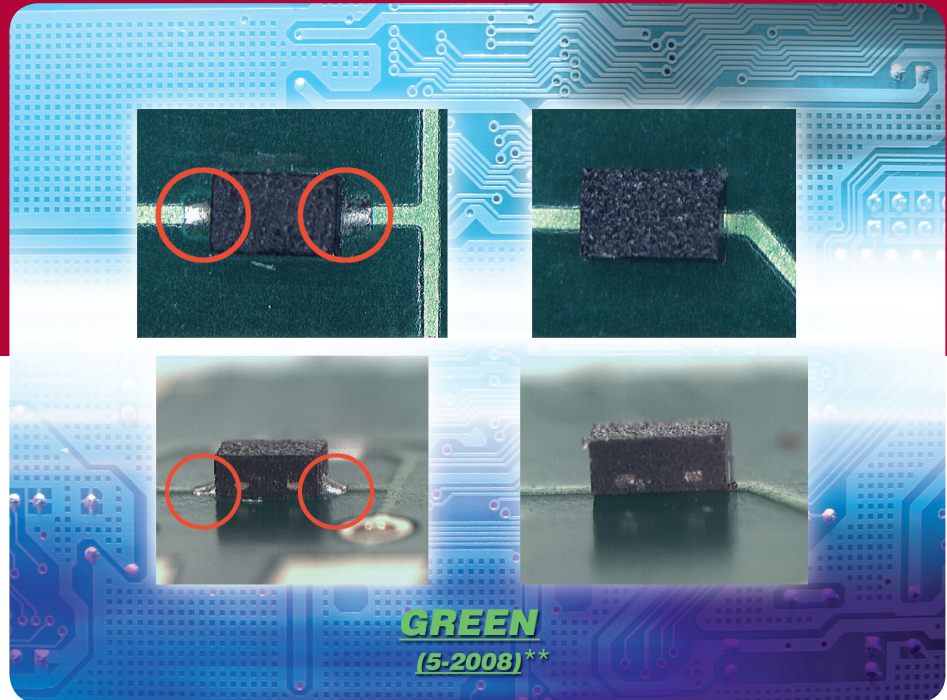




INDUSTRY-LEADING ADVANTAGES OF THE LLP PACKAGE

Small-Signal Diodes



** Please see document "Vishay Material Category Policy": www.vishay.com/doc?99902

LLP Series Eliminates Need for X-Ray Inspection by Allowing Side Soldering, Even for Very Low-Profile (0.38 mm) LLP1006 Devices

KEY BENEFITS

- Only visual inspection is needed: side solderability eliminates the need for X-ray inspection
- Enables more cost-effective production
- Compatible with most common footprints; no design-in restrictions
- Wide variety of product types and case sizes
- Offers more space inside of package, allowing larger die area or more chips to be used
 - Hosts up to eight arrayed diodes
- ESD protection diodes and EMI filter devices are available

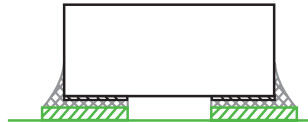
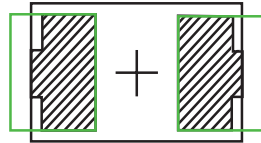
APPLICATIONS

- ESD protection diodes and EMI filter devices are available
 - VeSd up to 30 kV
 - C_D of less than 1 pF
- EMI filter portfolio
 - Typical cut-off frequency of 130 MHz
 - Input loss down to 1 dB

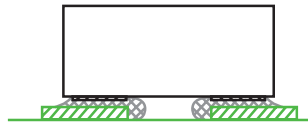
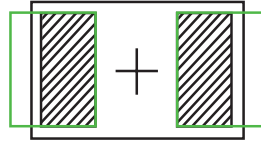
Footprint

Soldering Profile

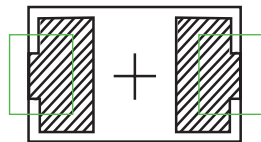
Vishay LLP-1006 on Varistor Footprint



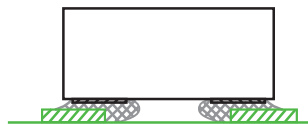
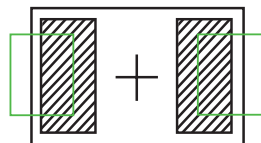
Competitor LLP-1006 on Varistor Footprint



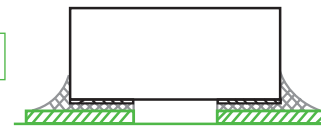
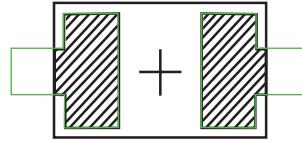
Vishay LLP-1006 on Footprint SOD923



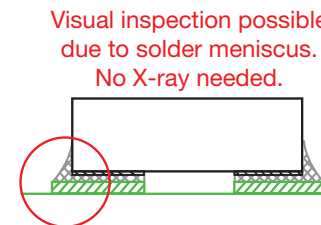
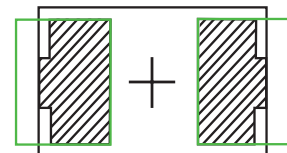
Competitor LLP-1006 on Footprint SOD923



Vishay LLP-1006 on Footprint LLP-1006

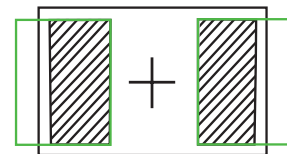


Vishay LLP-1006

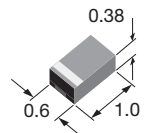


Visual inspection possible due to solder meniscus. No X-ray needed.

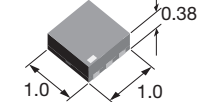
Competition 1006



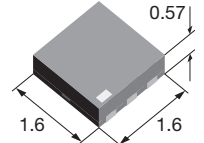
LLP1006



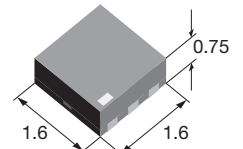
LLP1010



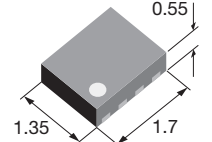
LLP75-xL



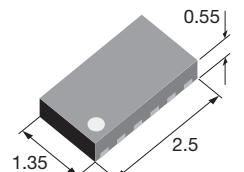
LLP75-xA



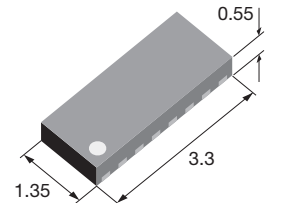
LLP1713



LLP2513



LLP3313



Lead / Pad



Solderpad / Footprint



Solder meniscus

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