

LFAK56-SINGLE

LFAK56-SINGLE follows the JEDEC standard (MO-235) for medium-power discrete products.

Applications

LFAK56-SINGLE is suitable for medium-power applications (over 100A available), designed for low on-resistance and high-speed switching MOSFETs:

- ▶ Motor drivers
- ▶ Power supply circuits
- ▶ DC-DC converters
- ▶ Key applications for automotive in body, safety and lighting

Reliability Qualification

Amkor packages are assembled with proven reliable semiconductor materials. All reliability testing include:

- ▶ JEDEC standard pre-conditioning except for high-temperature storage
- ▶ 85°C/85% RH, 168 hours, IR reflow 260°C 3X
- ▶ H³TRB: 85°C/85% RH, 1000 hours
- ▶ UHAST: 130°C/85% RH, 96 hours
- ▶ Temperature Cycle: -55°C to 150°C, 1000 cycles
- ▶ High Temp Storage: 150°C, 1000 hours

Test Service

Amkor offers full turnkey business for all power discrete products with the capability to test various types of power devices including: MOSFETs, intelligent power devices, etc.

- ▶ Power discrete test capability:
 - ▷ DC
 - ▷ Capacitance *1
 - ▷ R_g *1
 - ▷ Avalanche test
 - ▷ Thermal resistance
- ▶ Program conversion
- ▶ Electrical failure analysis
- ▶ Integrated test, marking, vision inspection and tape & reel services

*1 Sampling test only

