Our new medium-power transistors with solderable side pads

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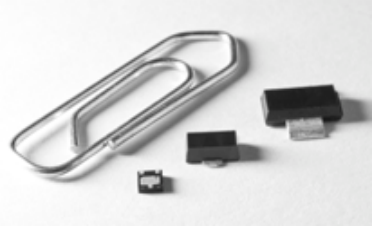

Introducing our first medium-power general-purpose transistors with solderable sidepads in DFN2020D-3 (SOT1061D). The 23 new types with Vceo values of 20-80 V offer a collector current of 1-2 A on just a 2x2 mm small footprint. All types are AEC-Q101 qualified and come with an exposed heat sink for excellent thermal and electrical performance. Suitable for automatic optical inspection (AOI).

In comparison to the SOT89, our new transitors have 80% board space reduction. A low package height of only 0.62 mm makes the new product ideally suitable for space-constrained power management applications.

The new types complete the medium-power general-purpose transistor portfolio that now include more than 100 types in packages DFN2020, SOT89 and SOT223.

You can find datasheets and parametrics on the **medium-power general-purpose landing page.**
Check out the **Medium-power general-purpose transistor leaflet.**

Key features and benefits

- High collector current capability I_C (up to 2 A) and I_{CM} (up to 3 A)
- V_{CEO} ranging from 20 V to 80 V
- Ideally suited for space-constrained medium-power applications
- High-power dissipation capability
- Exposed heat sink for excellent thermal and electrical performance
- High energy efficiency due to less heat generation
- Leadless, very small SMD plastic package with medium-power capability
- 100% solderable sidepads, suitable for automatic optical inspection (AOI)
- AEC-Q101 qualified

Key applications

- Linear voltage regulators
- Battery-driven devices
- MOSFET drivers
- Low-side switches
- Power management
- Amplifiers

Related Links

- General purpose medium power transistors landing page
- Medium-power general-purpose transistors leaflet
- Package information page DFN2020D-3 (SOT1061D)