

The toughest bipolar transistor - 100 V in LPAK/Power-SO8

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We've extended our bipolar transistor offering with six new high current and high power devices in the LPAK56 (Power-SO8) package, with V_{CEO} up to 100 V and I_{Cup} to 15 A. Delivering DPAK-like thermal and electrical performance in just half the footprint, they are AEC-Q101 qualified and support high-temperature operation (175 °C). With this new devices you will be able to choose from a total of 25 types, with devices up to 100 V and 15 A in single and double configurations.



New types and datasheet links

40 V, 15 A PHPT60415NY (NPN)
40 V, 15 A PHPT60415PY (PNP)
60 V, 10 A PHPT60610NY (NPN)
60 V, 10 A PHPT60610PY (PNP)
100 V, 10 A PHPT61010NY (NPN)
100 V, 10 A PHPT61010PY (PNP)

You can find datasheets and parametrics for all LPAK bipolar transistors on the [product family page](#).

Check out our [LPAK56 power package leaflet](#) which includes application examples and an LPAK/DPAK comparison.

Key features and benefits

- High power dissipation (P_{tot})
- Space-saving 5 x 6 mm package outline is half the size of equivalent transistors in DPAK, SOT223 and other packages
- Low profile (1 mm)
- High reliability and mechanical ruggedness thanks to solid-copper clip (no wires)
- High energy efficiency due to less heat generation
- Future-proof, growing portfolio

Key applications

- Relay replacement
- Power management
- Motor drives
- Loadswitches
- Linear mode voltage regulators
- LED lighting and backlighting

Related links

Datasheets and parametric search for high power transistors in LPAK56
Package information LPAK56 / SOT669 (single)
Package information LPAK56D / SOT1205 (double)