

Another MOSFET Built for Your Tomorrow

AMDMP45H4D9HK3, High-Voltage -450V P-Channel MOSFET in TO-252 Package

San Jose, California, April 30, 2026 – Analog Power today released the AMDMP45H4D9HK3, a robust -450V P-channel Power MOSFET that delivers reliable high-voltage switching in a surface-mount form factor. Featuring an RDS(on) of 4.9Ω, this new device provides engineers with a dependable high-side switching solution optimized for demanding power management applications.

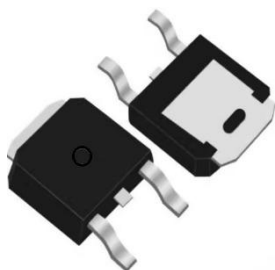
By delivering reliable high-voltage capabilities in the industry-standard TO-252 package, the AMDMP45H4D9HK3 enables designers to maintain excellent thermal management and layout flexibility. This advancement simplifies circuit design for high-voltage applications by offering a dedicated P-channel solution, significantly reducing the need for the complex high-side gate drive circuitry that is typically required when using N-channel alternatives.

Key Features of the Device Include:

- -450V P-channel Power MOSFET
- Typical RDS(on) = 4.9Ω
- Standard TO-252 package for excellent heat dissipation and easy surface mounting
- High-voltage switching capability
- Robust design for high reliability in demanding environments

Typical Applications:

- High-side load switching in industrial equipment
- Power supply routing and active clamping
- LED lighting and display drivers
- Motor drive circuits
- High-voltage DC/DC conversion



Analog Power's 4.9Ω, -450V P-channel MOSFET in TO-252 is now available for sampling and volume production. The preliminary datasheet can be accessed at:

<https://www.analogpowerinc.com/products/AMDMP45H4D9HK3>.

For more information, visit www.analogpowerinc.com.



About Analog Power: Founded in 2002 in San Jose, CA, USA, Analog Power is a leading manufacturer of Power MOSFETs. It produces not only a complete line of N- and P-channel MOSFETs from 20V to 1.5kV, but also application specific MOSFETs that facilitate smaller and higher performance end products. Using tier-1 wafer foundries and assembly and test outsourcing, Analog Power provides the quality and reliability levels of market leaders, yet remains dynamic and customer-driven.



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