

5V 500mA step-down regulator D24V5F5

Pololu · MPN 2843 · category: power-reg

Canonical record: <https://partsgraph.ai/catalog/parts/pololu-5v-reg-d24v5f5>

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ELECTRICAL

No-load quiescent current, typ: **200 μ A** · vendor page
Over-current / thermal protection: **Yes** · vendor page
Reverse-voltage protection: **No** · vendor page
Topology: **buck (step-down)** · vendor page
VIN applied range, family (before dropout limit): **3–36 V** · vendor page
SHDN low threshold (under): **0.4 V** · vendor page
SHDN pull-up resistor to VIN: **100 k Ω** · vendor page
Draw while SHDN held low @ 36 V in (approx): **360 μ A** · vendor page
Rec. input capacitor for >20 V inputs (min): **33 μ F** · vendor page
Rec. input capacitor voltage rating (min): **50 V** · vendor page

PERFORMANCE

Switching frequency: **500 kHz** · vendor page
Typical efficiency: **80–93 %** · vendor page
Output voltage accuracy: **4 %** · vendor page
Power-save mode at light loads: **Yes** · vendor page

INTERFACE

Shutdown (SHDN) pin: **Yes** · vendor page
Connections: **shutdown (SHDN), input voltage (VIN), ground (GND), and output voltage (VOUT)** · vendor page

MECHANICAL

Board size: **13 mm x 10 mm x 3 mm** · vendor page
Pin spacing: **0.1"** · vendor page
Male header strips included (straight + right-angle): **Yes** · vendor page

GENERAL

Output voltage: **5 V** · vendor page
Output current: **500 mA** · vendor page
Input voltage: **5.1–36 V** · vendor page

INDICATIVE PRICES

Pololu: \$8.95 USD · as of 2026-08-22 · <https://www.pololu.com/product/2843>

Prices are indicative and dated, captured only from vendors' machine-stated markup. Availability is never claimed.

SOURCES — THE AUTHORITATIVE DOCUMENTS

Regulator product page: <https://www.pololu.com/product/2843>
Pololu product page: <https://www.pololu.com/product/2843>

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