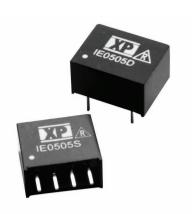
IE Series



- Single Output
- SIP or DIP Package
- 1000 VDC Isolation
- Optional 3000 VDC Isolation
- Small Package Sizes
- -40 °C to +85 °C Operation
- 3 Year Warranty

Specification

Input

Input Voltage Range

Input Reflected Ripple Current

- Nominal ±10%
- 20 mA pk-pk through 12 μH inductor 5Hz to 20 MHz

Input Reverse Voltage • None

Protection

Output

Output Voltage

Minimum Load

Line Regulation

Load Regulation

• 1.2%/1% ∆ Vin

See table

• None⁽⁵⁾

• 10% for a 20-100% load change⁽⁵⁾

(3.3 V models ±20%)

Setpoint Accuracy

Ripple & Noise

• ±3%

• 100 mV pk-pk max, 20 MHz bandwidth

Temperature Coefficient • 0.02%/°C

Maximum Capacitive

Load

• 220 µF

General

Efficiency

· See table

Isolation Voltage

1000 VDC minimum (3000 VDC -H option)

Isolation Resistance

10° Ω

Isolation Capacitance

• 60 pF typical

Switching Frequency

• 40-150 KHz variable

MTBF

>1.1 MHrs to MIL-HDBK-217F at 25 °C, GB

Environmental

Operating Temperature • -40 °C to +85 °C

Storage Temperature

• -40 °C to +125 °C

Case Temperature

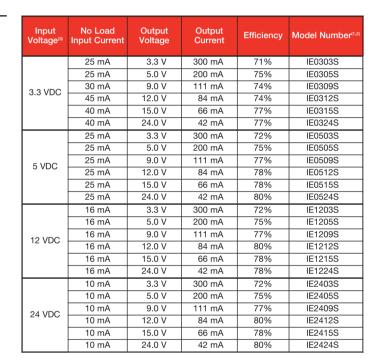
100 °C max

Cooling

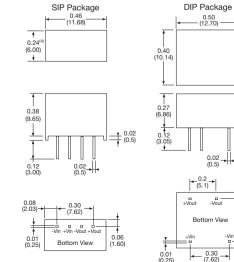
· Convection-cooled

Notes

- 1. For DIP package, replace 'S' in model number with 'D'.
- 2. Add suffix '-H' to model number for 3000 VDC isolation.
- 3. For 48 VDC in, specify model number as IE48XXS (not available in DIP package).
- 4. 48 VDC input models dimension is 0.29 (7.5).
- 5. Operation at no load will not damage unit but it may not meet all specifications.
- 6. All dimensions in inches (mm).
- 7. Pin pitch tolerance: +0.014 (+0.35)
- 8. Case tolerance: ±0.02 (±0.5)
- 9. Weight: SIP 0.003 lbs (1.4 g), DIP 0.004 lbs (1.8 g)



Mechanical Details





Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

XP Power:

IE1203S IE2409D IE0503SH IE1224D IE1203D IE2403SH IE1224S IE2424S IE2412SH IE2415SH IE0509D IE0509SH IE0309SH IE0512S IE2409SH IE0312S IE0512SH IE2405SH IE0312D IE0505S IE1209D IE1215D IE0524D IE1212SH IE2405S IE0503S IE0315SH IE1205D IE1224SH IE0315S IE1215SH IE0305D IE1205S IE0309D IE0303D IE0515D IE2412S IE0509S IE2415D IE0309S IE0305SH IE1205SH IE0303SH IE0303S IE0515S IE0505D IE0515SH IE1212D IE2409S IE2415S IE2424D IE0312SH IE1215S IE2403S IE0503D IE1209SH IE1203SH IE0305S IE0315D IE0524S IE0512D IE0524SH IE0505SH IE2405D IE1212S IE2424SH IE2403D IE0324SH IE2412D IE1209S