

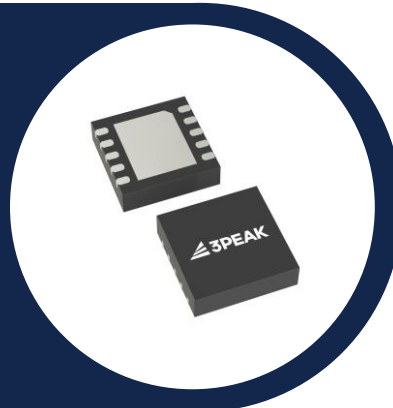


TPS14P50

5A eFuse Protection Switch
15V Over-Voltage Clamp, w/ Inrush Control

Features:

- 27mΩ Low Turn-On Resistance
- 5A Maximum Continuous Current
 - 2A to 5A Adjustable Current Limit
 - ±15% Adjustable Current Limit Accuracy
- Adjustable Output Voltage Slew Rate
- Adjustable Undervoltage Lock Out
- Integrated Inrush Control



Power Management - eFuses

Available in DFN3X3-10

Applications:

- Hot swap Protection
- HDD and SSD Driver Card
- PCIe Cards
- Server Fan Power Supply

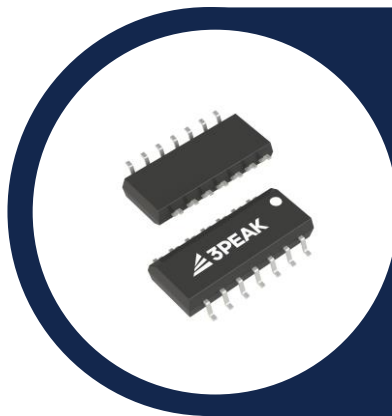
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TPA1834

High-Precision OP Amp
30V, 1.1MHz, Low-Power, Zero-Drift

Features:

- Supply Voltage: 4V to 30V
- Low Power: Typical 140µA at 25°C
- Low Offset Voltage: ±7µV Maximum at 25°C
- Zero Drift: ±0.01µV/°C
- Rail-to-Rail Output
- Gain Bandwidth Product: 1.1MHz
- Slew Rate: 0.7V/µs



Analog Signal Chain - Amplifiers

Available in SOP14, TSSOP14

Applications:

- Battery Test System
- Sensor Interface
- Instrumentation
- Motor Control
- DC Power Supply

Related Parts: TPA1831, TPA1832

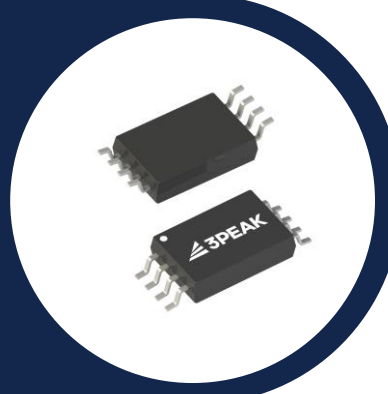
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TPA2682

36V Low Noise Op Amp
20MHz Bandwidth, 10V/µs Slew Rate

Features:

- Supply Voltage: 8V to 36V
- Offset Voltage: ±3mV
- Differential Input Voltage to Supply Rail, can function as Comparator
- Bandwidth: 20MHz, Slew Rate: 10V/µs
- Low Noise:
 - Voltage Noise Density: 10nV/√Hz at 100Hz
 - 0.1 to 10Hz Voltage Noise: 0.8µVPP
- Input Rail to -VS, No Internal ESD Diode to +VS
- High PSRR+: 80dB at 100kHz



Analog Signal Chain - Amplifiers

Available in SOP8, TSSOP8, MSOP8

Applications:

- Instrumentation
- Active Filters, ASIC Input
- Sensor Interface
- Industrial Control
- Audio Applications

Related Parts: TPA2681

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- Analog Signal Chain
- Power Management

Sales Representatives

Global Distributors

Holiday Edition

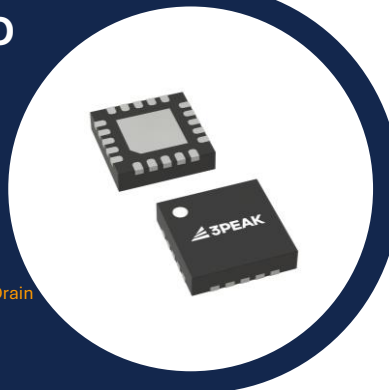


TPL9305-S

4 μ V_{RMS} Low Noise, High-PSRR, LDO 3A Output, 300mV Dropout Voltage

Features:

- Input Voltage Range
 - Without BIAS: 1.4V to 6.5V, With BIAS: 1.1V to 6.5V
- Output Voltage Options
 - Fixed: 0.5V to 3.65, Adjustable 0.5V to 5.2V
- 3A Maximum Output Current
- High PSRR: -65dB at 1kHz, 60dB at 1MHz
- Excellent Transient Response, Enable and Adjustable Soft-Start Control, Open-Drain Power-Good (PG) Output
- Stable with 10 μ F or Greater Ceramic Output Capacitor
- Over-Current Protection & Over-Temperature Protection



Power Management - LDO

Available in QFN3.5X3.5-20

Applications:

- Wireless Communication: CPU, ASIC, FPGA
- High-Performance Analog: ADC, DAC
- Noise-Sensitive Imaging:
 - CMOS Sensors & Video ASICs

Related Parts: TPL9308-S

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Analog Signal Chain - Amplifiers

Available in SOP8

Applications:

- Instrumentation
- Industrial Control
- Audio

Related Parts: TPA9363

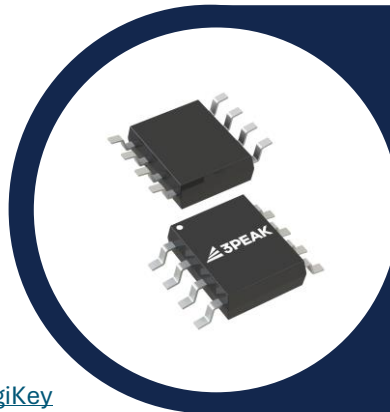
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TPA9361

Precision Difference Amplifier 3MHz GBW with 5V/ μ s slew rate

Features:

- Supply Voltage: 4.5 V to 36 V, ± 2.25 V to ± 18 V
- Offset Voltage: ± 300 μ V Maximum
- Gain Setting Option:
 - TPA9361: 1
 - TPA9363: 0.48
- Gain Error: 0.05% Maximum
- Bandwidth: 3 MHz, Slew Rate: 5 V/ μ s
- EMI Enhancement
- Over-Temperature Protection

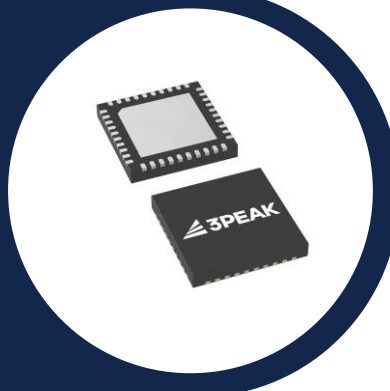


TPC6240

24-Bit Sigma-Delta ADC 8/16-Channel, 8-kSPS, w/integrated PGA

Features:

- Analog Multiplexer with 8-full Differential or 16-single Ended Inputs
- SPI-compatible interface with CRC checking
- Programmable Data Rates: 2.5-SPS to 8-kSPS
- Programmable Amplifier Programmable Gain: 1 to 128
- Integrated:
 - Internal Reference: 2.5V
 - Internal Temperature Sensor & Oscillator
 - Extended Fault Detection Circuits
 - Self Offset and System Calibration
 - GPIO and GPO pins with external mux control



Analog Signal Chain - Converters

Available in QFN6X6-40

Applications:

- Process Control: PLC/DCS Modules
- Medical and Scientific Instrumentation
- Temperature Controllers
- Voltage, Current, Temperature, & Pressure Measurement Flow Meters

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3PEAK 2024 Product Newsletter Part Summary:

Part Series	Product Description	Product Type	Quality Grade	Datasheet	Buy On DigiKey
TPL8032	IC REG LINEAR 3.3V 300mA	LDO	Industrial	Link	Link
TPR50	IC VREF SERIES 2.5V .05%	REF	Industrial	Link	Link
TPT1042	IC TRANSCEIVER 1/1	CAN	Automotive	Link	Link
TPA9151	IC VOLTAGE DIFFERENCE AMP	DIFF AMP	Industrial	Link	Link
TPC5180	IC ADC 18BIT 8 CH SAR	ADC	Industrial	Link	Link
TPQ05100	IC REG BOOST ADJ 600mA	BOOST	Industrial	Link	Link
TPL910Q	IC REG LINEAR ADJ 1A	LDO	Automotive	Link	Contact Sales
TPA8001	IC OPAMP ISOLATION 1 CIR	ISO AMP	Automotive	Link	Link
TPAFE411	IC HALL SENSOR AFE	HALL SENSOR	Industrial	Link	Link
TPT1021Q	IC TRANSCEIVER LIN	LIN	Automotive	Link	Link
TPA5581	IC OPAMP ZERO-DRIFT 1 CIR	OPA	Industrial	Link	Link
TPAFEA008	IC VOLTAGE/CURRENT DAC/ADC 4 CH	AFE	Industrial	Link	Link
TPR8601	RES ARRAY 4 RES 10K OHM	RES	Industrial	Link	Link
TPE15017	IC POE FLYBACK CONVERTER	POE DCDC	Industrial	Link	Link
TPA5511	IC OPAMP ZERO-DRIFT 1 CIR	OPA	Industrial	Link	Link
TPC5120Q	IC ADC 12BIT 16 CH SAR	ADC	Automotive	Link	Link
TPA2031Q	IC COMPARATOR GEN PUR 1	COMP	Automotive	Link	Link
TPH2861Q	IC OPAMP 8GHZ 1 CIR	OPA	Automotive	Link	Link
TPC5161	IC ADC 16BIT 8 CH SAR	ADC	Industrial	Link	Link
TPM8860	IC LOW SIDE DRIVER 48V	STEPPER	Industrial	Link	Link
TPT4032	IC RECEIVER 0/4	RS485	Industrial	Link	Link
TPA8101	IC DELTA-SIGMA MODULATOR	ISO AMP	Industrial	Link	Link
TPC2160	IC 16-BIT HIGH ACCURACY DAC	DAC	Industrial	Link	Link
TPM8803	IC LOW SIDE DRIVER 48V 3A	STEPPER	Industrial	Link	Contact Sales
TPA2296T	IC OPAMP CURRENT SENSE	CS AMP	Industrial	Link	Link
TPT1255	IC TRANSCEIVER CAN	CAN	Industrial	Link	Link
TPT7741F	DGTL ISO 3750VRMS 4CH	ISO	Industrial	Link	Link
TPP60506	IC DCDC STEP-DOWN CONVERTER	BUCK	Industrial	Link	Available soon!
TPM23513	IC ISO HS DRIVER	ISO	Industrial	Link	Available soon!
TPT3243	IC TRANSCEIVER 2/2	RS232	Industrial	Link	Link
TPT480	IC Transceiver 1/1 8-DFN	RS485	Industrial	Link	Link
TPA191	IC OPAMP Current Sense 1 CIR SC70	CSAMP	Industrial	Link	Link
TPS05P50	IC EFUSE SWITCH 10-DFN	EFUSE	Industrial	Link	Available soon!
TPT1051	IC TRANSCEIVER CAN 8-DFN	CAN	Industrial	Link	Link
TPM6501A	IC TRANS DRIVER SOT23-5	STEPPER	Industrial	Link	Available soon!
TPL8020	IC REG LINEAR 5V 200mA SOT23-5	HVLDO	Industrial	Link	Link
TPL9305-S	IC REG LINEAR ADJ 3A 20-QFN	HVLDO	Industrial	Link	Link
TPA1834	IC OPAMP 30V ZERO DRIFT	LVLDO	Industrial	Link	Available soon!
TPS14P50	IC EFUSE SWITCH 10-DFN	HVOPA	Industrial	Link	Available soon!
TPA2862	IC OPAMP 36V LOW NOISE	EFUSE	Industrial	Link	Link
TPC6240	IC 16-BIT PRECISION DELTA-SIGMA ADC	PADC	Industrial	Link	Link
TPA9361	IC VOLTAGE DIFFERENCE AMP 8-SOP	DIFFAMP	Industrial	Link	Link