



**SURFACE MOUNT WITH HEAT SLUG ON TOP
52-PIN QFP PACKAGE STYLE**

Body Footprint 20 mm x 20 mm

Features

- » High cont. output current – 1A/2A
- » High PEAK output current – 4A/6A
- » High supply voltage – 200V
- » Internal power dissipation – 33W
- » Monolithic MOS technology
- » Current limit w/ over-current flag
- » Amplifier disable feature

PA167 / PA167A

200V, 6A, Multi-Purpose Power Amplifier IC

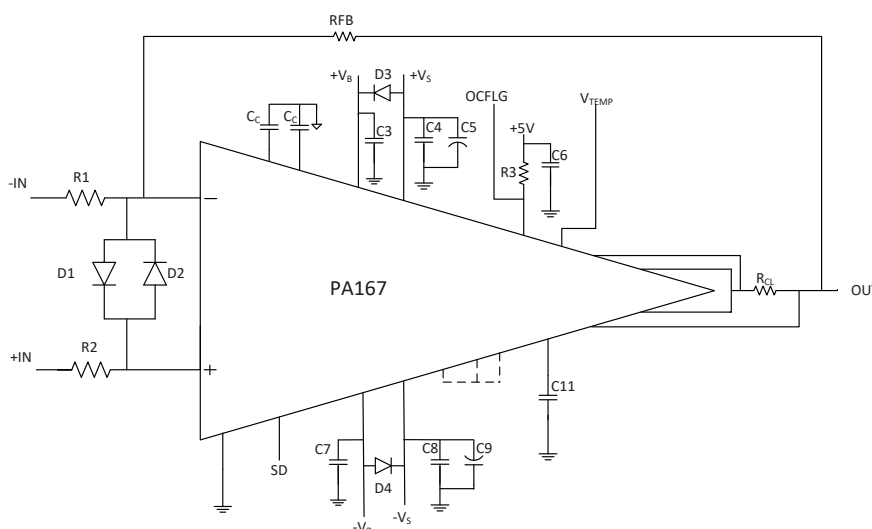
Product Overview

The PA167 is a high voltage MOSFET operational amplifier with a monolithic amplifier core designed for high density power applications with high output currents or voltages. The device is designed for output voltages up to 205V, with the PA167 providing 1A (2A A grade) of continuous current.

Separate supplies for the amplifier core and the output stage optimize the overall power dissipation in the devices. Both devices offer a wide-range, temperature compensated current limit. An additional over-current flag allows for a flexible implementation of system protection, with an output disable function adding another layer of optional protection. External compensation provides the user flexibility in choosing optimum gain and bandwidth for the application.

Typical Applications

With an exceptionally compact size, designers are afforded the ability to maximize board real estate in circuit designs with high power requirements. A wide range of target applications include: High density voltage/current supplies, electrostatic transducers, deflection, deformable mirror focusing, and piezoelectric positioning.



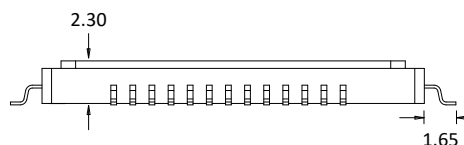
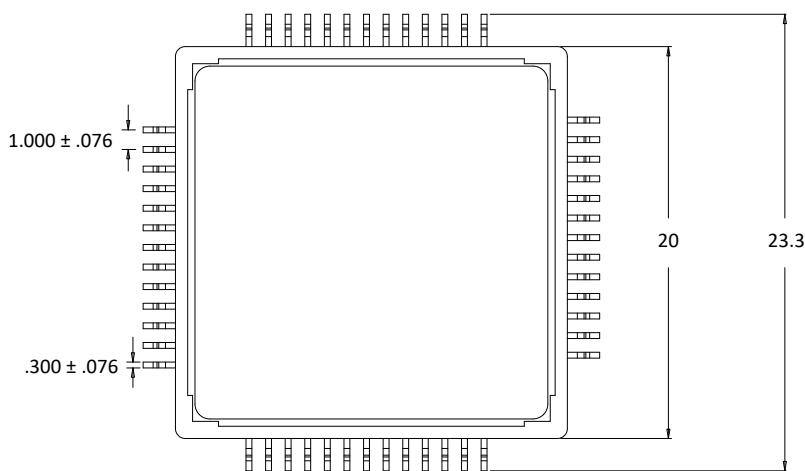
Scan the QR
code to learn
more about
PA167

PA167 / PA167A

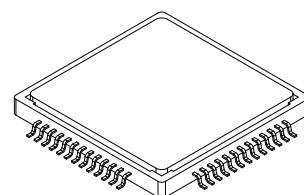
200V, 6A, Multi-Purpose Power Amplifier IC

Product Absolute Maximum Specifications

SPECIFICATION PARAMETER	MAX
Total Supply Voltage	205V
Output Current Continuous (PEAK), within SOA, PA167A	2A (6A)
Output Current Continuous (PEAK), within SOA, PA167	1A (4A)
Slew Rate	35V/ μ s
Power Dissipation, Internal, Continuous	33W
Temperature, Junction	150 °C
Temperature, Storage	-40 to 150 °C
Operating Temperature Range, Case	-40 to +85 °C
RoHS Compliant	Yes
Package Style	52-Pin Power Quad
Package Body Measurement	20 mm x 20 mm



Dimensions are in mm



POWER, PERFORMANCE, VALUE

Precision ICs

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