



ANALIGICS

Your GaAs IC Source

(Typical Elect. Characteristics at 25°C; $V_{DD} = +5V$; $V_{SS} = -2V$)

Advanced Product Information

WIDEBAND MMIC WITH AGC

Frequency Range

10 KHz - 3 GHz

Gain

22 dB (typ.)

Gain Flatness

± 0.5 dB

Output Power (1 dB Comp. pt.)

+6 dBm (typ.)

Input/Output VSWR

$< 2:1$

Maximum Input Power

+20 dBm

Power Supply

$V_{DD} = +5V$; $V_{SS} = -2V$

Supply Current

$V_{DD} \approx 125$ mA; $V_{SS} \approx 55$ mA

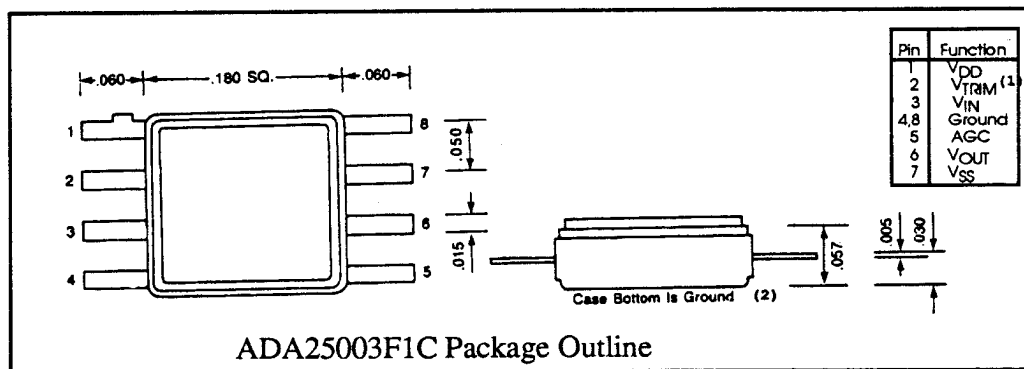
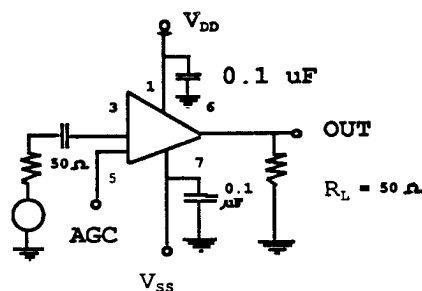
AGC Voltage

0 to +3V at < 5 mA

Mechanical Configuration

Die or Flatpack (8 leads)

Test Circuit



1. This can be left open or used for output dc offset adjust.
2. It is recommended that the ADA25003F1C be attached to an electrically and thermally conducting ground plane.

Analogix reserves the right to make changes in specifications without notice.

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TRANSMISSION
COMMENTS: -30 DBM INPUT

