

AN6107SA (under development)

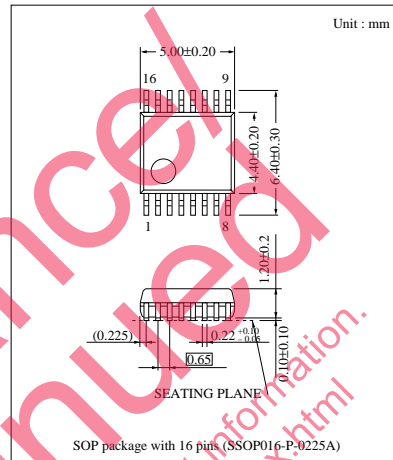
Digital Communication IF Amplifier IC

■ Overview

The AN6107SA is an IF amplifier IC for digital cellular telephones. It supports mixer input frequencies up to 150 MHz, featuring low current consumption.

■ Features

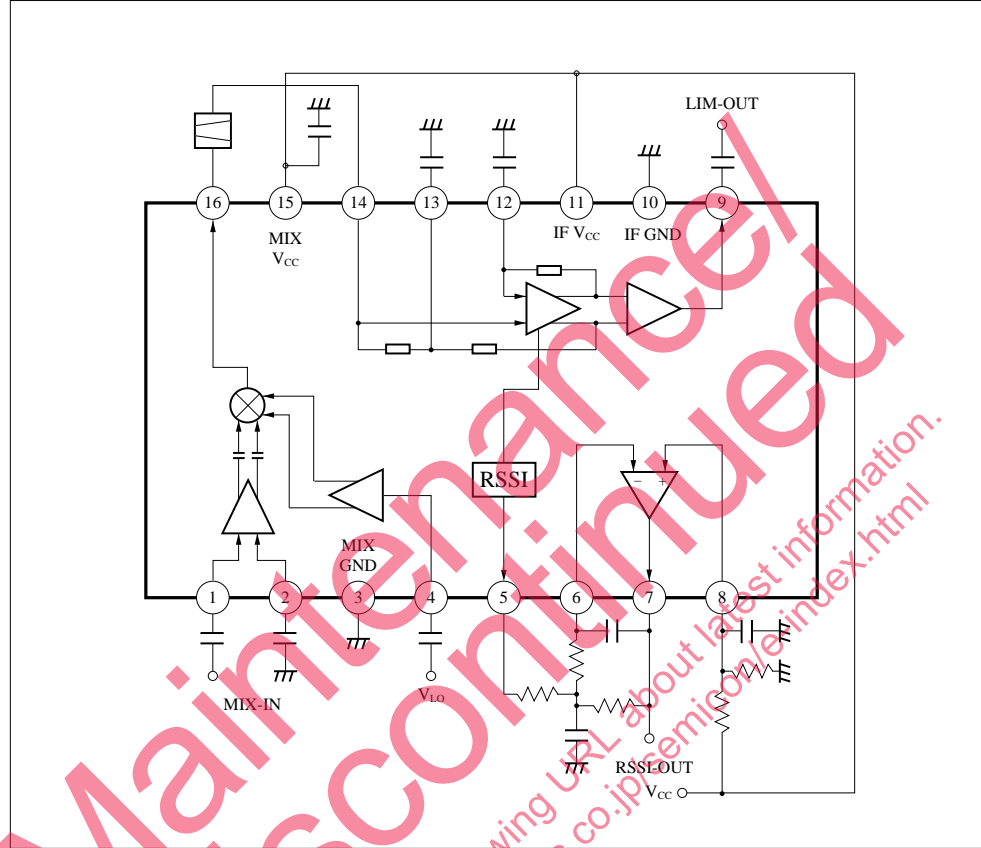
- Operating supply voltage range : 2.7 to 4 V
- Current consumption : Typ 3.9 mA during operation, 10 μ A or less at sleep
- RSSI input D range : 80 dB
- Built-in operational amplifier.
- Package : SSOP016-P-0225A with 0.65 mm pitch



■ Pin Descriptions

Pin No.	Description	Pin No.	Description
1	MIX-IN	9	LIM-OUT
2	MIX-DEC	10	GND-IF
3	GND-MIX	11	V _{CC} -IF
4	LO-IN	12	LIM-DEC2
5	RSSI-OUT	13	LIM-DEC1
6	OP-NEG	14	LIM-IN
7	OP-OUT	15	V _{CC} -MIX
8	OP-POS/SLEEP	16	MIX-OUT

■ Block Diagram



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