

● Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Supply voltage	V _{CC} Max.	9.0	V
Power dissipation	P _d	500*	mW
Operating temperature	T _{opr}	-25~75	°C
Storage temperature	T _{stg}	-55~125	°C
AFC voltage	V _{AFC}	3.0	V

* At temperatures above Ta = 25°C, decreases 5.0 mW per degree.

● Recommended operating conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply voltage	V _{CC}	2.0	4.0	8.0	V

● Electrical characteristics (unless otherwise indicated, Ta = 25°C and V_{CC} = 3V)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions	Measurement Circuit
Quiescent current	I _o	5.5	8.0	10.5	mA	—	Fig.1
IF output voltage	V _{OUT}	20	35	50	mV _{rms}	f _{IN} =100MHz, 80dB μ V	Fig.1
IF input/output impedance	Z _{IF}	—	330	—	Ω	—	Fig.1
Oscillator voltage	V _{OSC}	200	300	400	mV	f _{OSC} =110.7MHz	Fig.1
Diode capacitance	C _{AFC}	—	9	—	pF	V _r =2V	Fig.1

● Measurement circuit

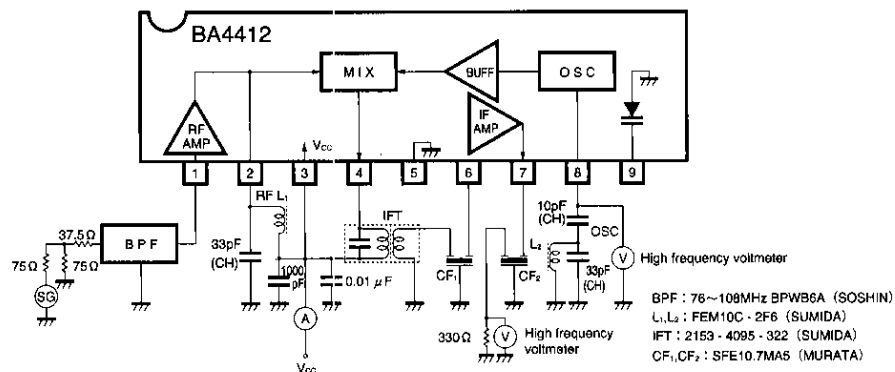


Fig. 1