

TOSHIBA BIPOLAR LINEAR INTEGRATED CIRCUIT SILICON MONOLITHIC

# TA31136F, TA31136FN

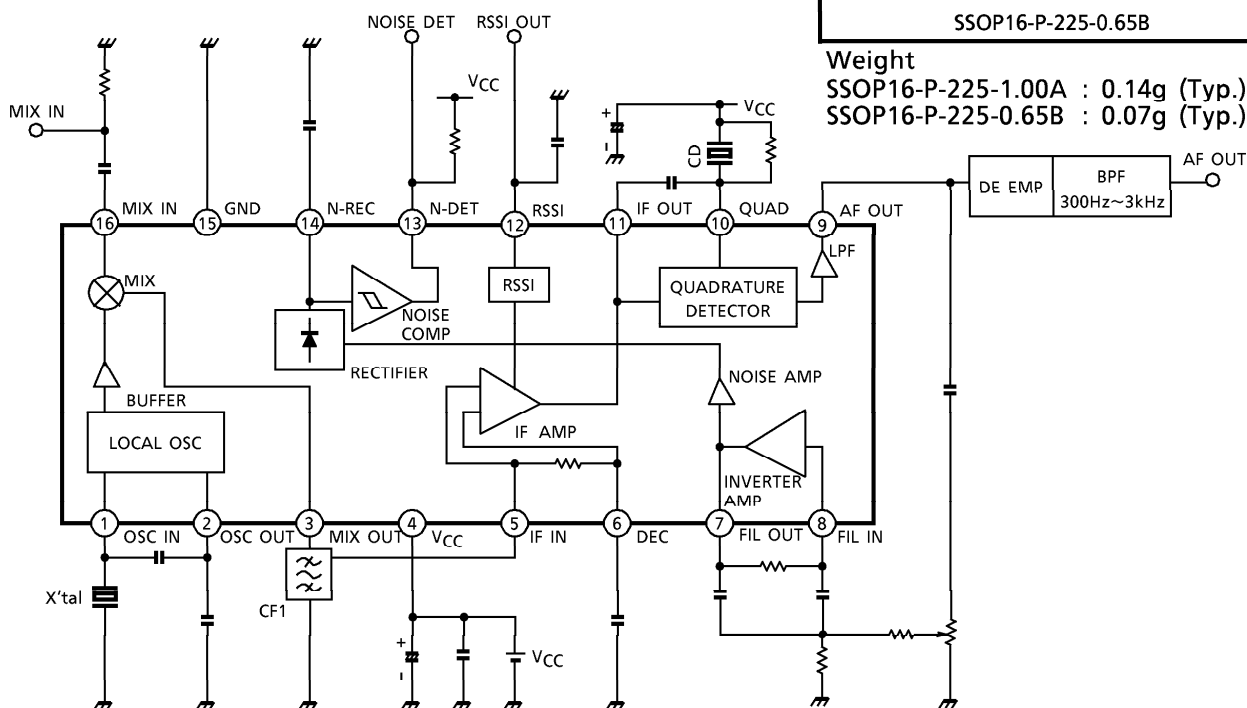
## FM IF DETECTOR IC FOR CORDLESS TELEPHONE

Low operation voltage FM IF detector IC. This IC is suitable for cordless telephone.

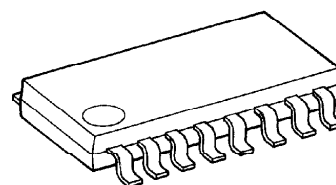
### FEATURES

- Low operating voltage :  $V_{CC} = 1.8 \sim 5.5V$
- Excellent temperature characteristics
- High sensitivity  
12dB sensitivity :  $11dB\mu V$  EMF (Input  $50\Omega$ )
- High intercept point :  $96dB\mu V$  (Input  $50\Omega$ )
- Quadrature detector, both ceramic and coil discriminators are usable
- Built-in 2nd MIX  
Operating frequency :  $10 \sim 100MHz$
- Built-in noise detection circuit
- RSSI function
- Very small package

### BLOCK DIAGRAM

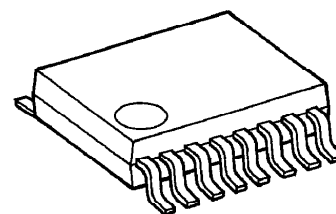


TA31136F



SSOP16-P-225-1.00A

TA31136FN



SSOP16-P-225-0.65B

### Weight

- SSOP16-P-225-1.00A : 0.14g (Typ.)
- SSOP16-P-225-0.65B : 0.07g (Typ.)

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