

Product Overview

SMA3107: MMIC, RF Amplifier, 3 V, 6 mA, 0.1 to 2.8 GHz

For complete documentation, see the data sheet.

SMA3107 is RF MMIC, Amplifier, 3 V, 6 mA, 0.1 to 2.8 GHz.

Features

- High Gain: GP = 23.5 dB typ @ 1.0 GHz
- Wideband response: fu = 2.8 GHz
- ICC = 6.0 mA typ

Part Electrical Specifications

| Product | Pricing (\$/Unit) | Compliance | Status | I _{CC} Min (mA) | I _{CC} Max (mA) | Power Gain Min (dB) | Power Gain Max (dB) | Isolation Max (dB) | Input Return Loss Min (dB) | Output Return Loss Min (dB) | Noise Figure Max (dB) | P _C (1 dB Compression) Min (dBm) | Upper Freq (3 dB) (GHz) | V _{CC} Min (V) | V _{CC} Max (V) | Package Type |
|--------------|-------------------|------------|--------|--------------------------|--------------------------|---------------------|---------------------|--------------------|----------------------------|-----------------------------|-----------------------|---|-------------------------|-------------------------|-------------------------|-------------------|
| SMA3107-TL-E | 0.1333 | Pb-free | Active | 4.3 | 7.7 | $\frac{22}{21}$ | $\frac{26}{27}$ | $\frac{33}{40}$ | $\frac{18}{10}$ | $\frac{10}{27}$ | 4.3 | $\frac{-11.5}{-8.5}$ | 2.8 | 2.7 | 3.3 | SC-88FL / MCP H-6 |

For more information please contact your local sales support at www.onsemi.com.

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