

# Spread Spectrum Clock Generator AK8126

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## Features

- **Output Frequency Range:**  
16MHz – 128MHz
- **Configurable Spread Spectrum Modulation:**
  - **AKEMD's Original Spread Spectrum Profile**
  - **Modulation Ratio:**
    - Center Spread:**  
 $\pm 0.25\%$  ,  $\pm 0.5\%$  ,  $\pm 1.0\%$  ,  $\pm 1.5\%$
    - Down Spread:**  
-0.5% , -1.0% , -2.0% , -3.0%
  - **Modulation Frequency:**  
38.46KHz – 76.92KHz
- **Input Frequency Range:**
  - **Crystal:** 16MHz – 32MHz
  - **Reference Clock Input :** 16MHz – 128MHz
- **Low Jitter Performance:**  
100 ps (Max.) Cycle-to-cycle  $1\sigma$
- **Low Current Consumption:**  
2.5mA (Typ.) at 16MHz, 3.3V
- **Supply Voltage:**  
3.0 – 3.6V
- **Operating Temperature Range:**  
-10 to +85