

Rochester Electronics Manufactured Components

Rochester branded components are manufactured using either die/wafers purchased from the original suppliers or Rochester wafers recreated from the original IP. All recreations are done with the approval of the OCM.

Parts are tested using original factory test programs or Rochester developed test solutions to guarantee product meets or exceed the OCM data sheet.

Quality Overview

- ISO-9001
- AS9120 certification
- Qualified Manufacturers List (QML) MIL-PRF-35835
 - Class Q Military
 - Class V Space Level
- Qualified Suppliers List of Distributors (QSLD)
 - Rochester is a critical supplier to DLA and meets all industry and DLA standards.

Rochester Electronics, LLC is committed to supplying products that satisfy customer expectations for quality and are equal to those originally supplied by industry manufacturers.

The original manufacturer's datasheet accompanying this document reflects the performance and specifications of the Rochester manufactured version of this device. Rochester Electronics guarantees the performance of its semiconductor products to the original OEM specifications. 'Typical' values are for reference purposes only. Certain minimum or maximum ratings may be based on product characterization, design, simulation, or sample testing.

High-Frequency NPN Transistor Arrays For Low-Power Applications at Frequencies Up to 1.5GHz

August 1996

Features

- Gain-Bandwidth Product (f_T) >3GHz
- Five Transistors on a Common Substrate

Applications

- VHF Amplifiers
- VHF Mixers
- Multifunction Combinations - RF/Mixer/Oscillator
- IF Converter
- IF Amplifiers
- Sense Amplifiers
- Synthesizers
- Synchronous Detectors
- Cascade Amplifiers

Description

The CA3227 and CA3246 consist of five general purpose silicon NPN transistors on a common monolithic substrate. Each of the transistors exhibits a value of f_T in excess of 3GHz, making them useful from DC to 1.5GHz. The monolithic construction of these devices provides close electrical and thermal matching of the five transistors.

Ordering Information

PART NUMBER (BRAND)	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
CA3227E	-55 to 125	16 Ld PDIP	E16.3
CA3227M (3227)	-55 to 125	16 Ld SOIC	M16.15
CA3227M96 (3227)	-55 to 125	16 Ld SOIC Tape and Reel	M16.15
CA3246E	-55 to 125	14 Ld PDIP	E14.3
CA3246M (3246)	-55 to 125	14 Ld SOIC	M14.15
CA3246M96 (3246)	-55 to 125	14 Ld SOIC Tape and Reel	M14.15

Pinouts

