

# Global and China Varactor Diodes Market Research by Company, Type & Application 2013-2025

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## Abstracts

### SUMMARY

Varactor Diodes also known as a variable capacitance diode, varicap diode or variable reactance diode, is a diode that has a variable capacitance which is a function of the voltage that is impressed on its terminals. Tuning / varactor diodes are operated reverse-biased, and therefore no current flows. However, since the thickness of the depletion zone varies with the applied bias voltage, the capacitance of the diode can be made to vary. Usually, the capacitance is inversely proportional to the depletion region thickness and the depletion region thickness is proportional to the square root of the applied voltage. Therefore, the capacitance is inversely proportional to the square root of the voltage applied to the diode.

Market Segment as follows:

#### By Type

VR ? 20V

20V

VR > 30V

#### By Application

Voltage Controlled Oscillators

RF Filters

Others

By Company

Microsemi

Infineon

MACOM

NXP

ON Semiconductors

API Technologies

Cobham

Skyworks Solutions

Toshiba

The main contents of the report including:

Section 1:

Product definition, type and application, global and China market overview;

Section 2:

Global and China Market competition by company;

Section 3:

Global and China sales revenue, volume and price by type;

Section 4:

Global and China sales revenue, volume and price by application;

Section 5:

China export and import;

Section 6:

Company information, business overview, sales data and product specifications;

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