

# Global Polymer Capacitor Market Research Report 2018

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# **Abstracts**

#### **SUMMARY**

A polymer capacitor, or more accurately a polymer electrolytic capacitor, is an electrolytic capacitor (e-cap) with a solid electrolyte of a conductive polymer. Polymer electrolytic capacitors are characterized by particularly low internal equivalent series resistances (ESR) and high ripple current ratings. Their electrical parameters have similar temperature dependence, reliability and service life compared to solid tantalum capacitors, but have a much better temperature dependence and a considerably longer service life than aluminum electrolytic capacitors with non-solid electrolytes. In general polymer e-caps have a higher leakage current rating than the other solid or non-solid electrolytic capacitors. Polymer electrolytic capacitors are mainly used in power supplies of integrated electronic circuits as buffer, bypass and decoupling capacitors, especially in devices with flat or compact design. Thus they compete with MLCC capacitors, but offer higher capacitance values than MLCC, and they display no microphonic effect.

Market Segment as follows:

By Region

Asia-Pacific

North America

Europe

South America

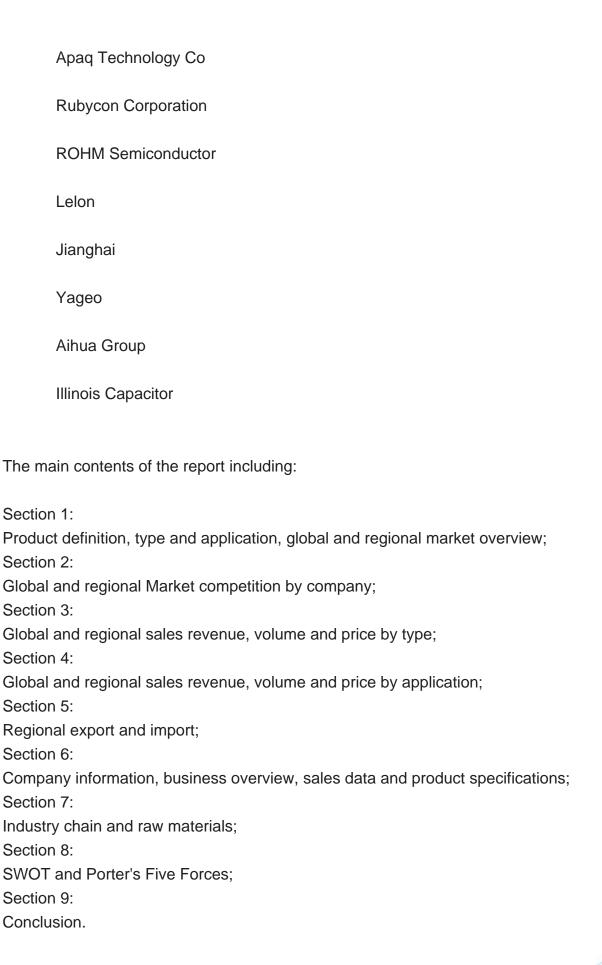


## Middle East & Africa

# By Type Polymer Tantalum Electrolytic Capacitor Polymer Aluminum Electrolytic Capacitor Others (Hybrid and Niobium) By Application **Consumer Electronics** Communication Industrial Others By Company Murata Manufacturing Co NCC (Chemi-con) Nichicon Panasonic Corporation Kemet AVX

Vishay







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