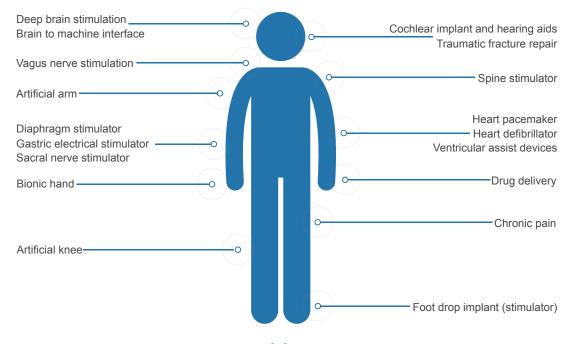
Capacitors for Implantable Medical Applications





Implantable Tantalum Specifications



 $0.33~\mu F$ to $47~\mu F$

 $\begin{array}{c} 2 \ V_{\text{DC}} \ to \ 40 \ V_{\text{DC}} \\ \text{Voltage range} \end{array}$

-55 °C to +125 °C Operating temperature

Implantable MLCC Specifications



 $\begin{array}{c} 1 \ pF \ to \ 1 \ \mu F \\ \text{Capacitance range} \end{array}$

 $\begin{array}{c} \text{Up to 1500 V}_{\text{DC}} \\ \text{Voltage range} \end{array}$

-55 °C to +125 °C Operating temperature

Compact As small as 0402 footprint	Reliable Failure rate levels available Surge current tests
Custom Solutions Electrical, testing, statistical parametric screening, data	DCL 50 % lower than commercial 20 % lower than polymer

Compact As small as 0402 footprint	Reliable Based on high-rel military products
Custom Solutions Testing protocols Data reporting Manufacturing processes	High Frequency Tght tolerance MLCCs for communication circuits