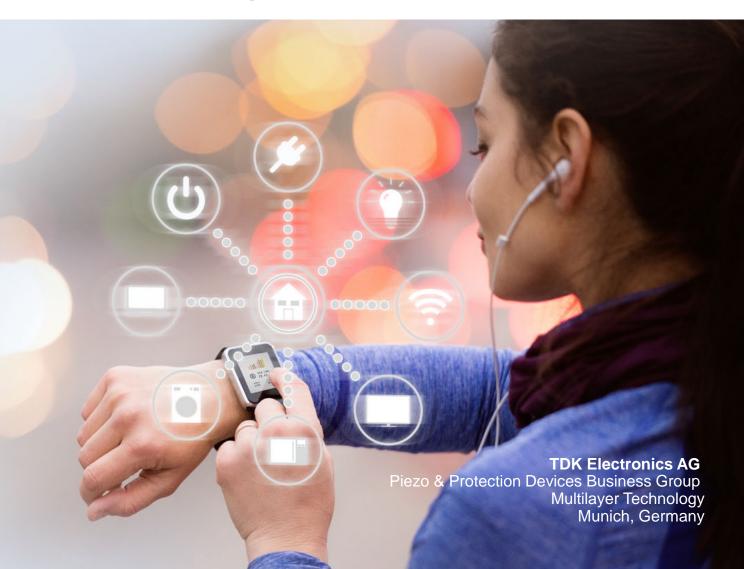
Attracting Tomorrow



CeraCharge[™]

Battery in energy harvesting applications (Beacon)



CeraCharge[™] as battery in energy harvesting applications (Beacon)





- Beacon: Stand alone systems that collect and broadcast data using for that, harvested energy
- CeraCharge[™] is the ideal storage media to support the modern IC technology (MPUs, sensors)
 Those ICs are extremely low energy demanding and require long operation lifetime
- Smart home, medical and Industry 4.0 are driving the demand on Beacon systems

Features and benefits

- Miniaturized (SMD EIA1812) and maintenance free battery
- High number of cycles >1000
- Compatible with BLE 4.0 ICs
- Easy SMD mounting
- RoHs-conform

Key questions

- Number of pulses between charges?
- Pulse current and pulse duration?
- Lifetime?

Specifications

 $\begin{array}{lll} \mbox{Nominal voltage} & 1.5 \mbox{ V} \\ \mbox{Operating voltage} & 0 \mbox{ to } 1.6 \mbox{ V}_{op} \\ \mbox{Nominal capacity} & 100 \mbox{ μAh} \\ \mbox{Max. pulse capability} & 5 \mbox{ mA} \\ \mbox{Operating temperature} & -20 \mbox{ to } +80 \mbox{ °C} \\ \end{array}$









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