



**NEW**

**CTP 21**

## TANTALUM POLYMER CAPACITOR

**FIRADEC launches a new range of products based on conductive polymer technology**



Electronic engineering is improved by the use of conductive polymer as cathode in tantalum capacitor.

**CTP 21** is a huge step up compared to standard solid tantalum capacitor.

### APPLICATION RANGE

<b>Voltage</b>	up to 100 V
<b>Capacitance</b>	<b>Exemple</b> 16 V ➔ 560 $\mu$ F 40 V ➔ 150 $\mu$ F 100 V ➔ 22 $\mu$ F
<b>Typical ESR</b>	Low voltage < 10 m $\Omega$ High voltage < 20 m $\Omega$
<b>Application</b>	Filtering Energy storage Energy conversion
<b>Market</b>	Space Aerospace Defense

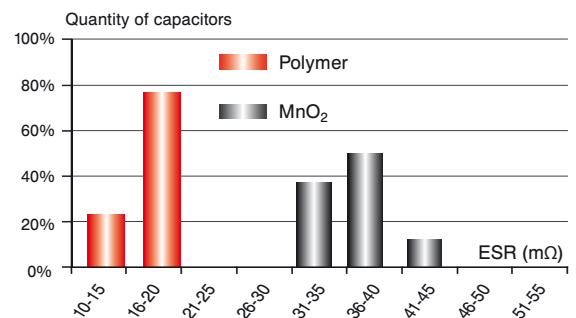
### CAPACITANCE

Higher energy density could be achieved with this softer cathode

Twice as much capacitance compared to MnO<sub>2</sub> techno

➔ **Electronic designs are smaller**

### EQUIVALENT SERIES RESISTANCE



➔ **Twice less ESR compared to the same component in MnO<sub>2</sub> technology**

### SAFETY

Polymer is not an oxidant : no free oxygen, no burning

➔ **No thermal ignition with CTP21**