

High Temp Silicon Capacitors (up to 250°C)

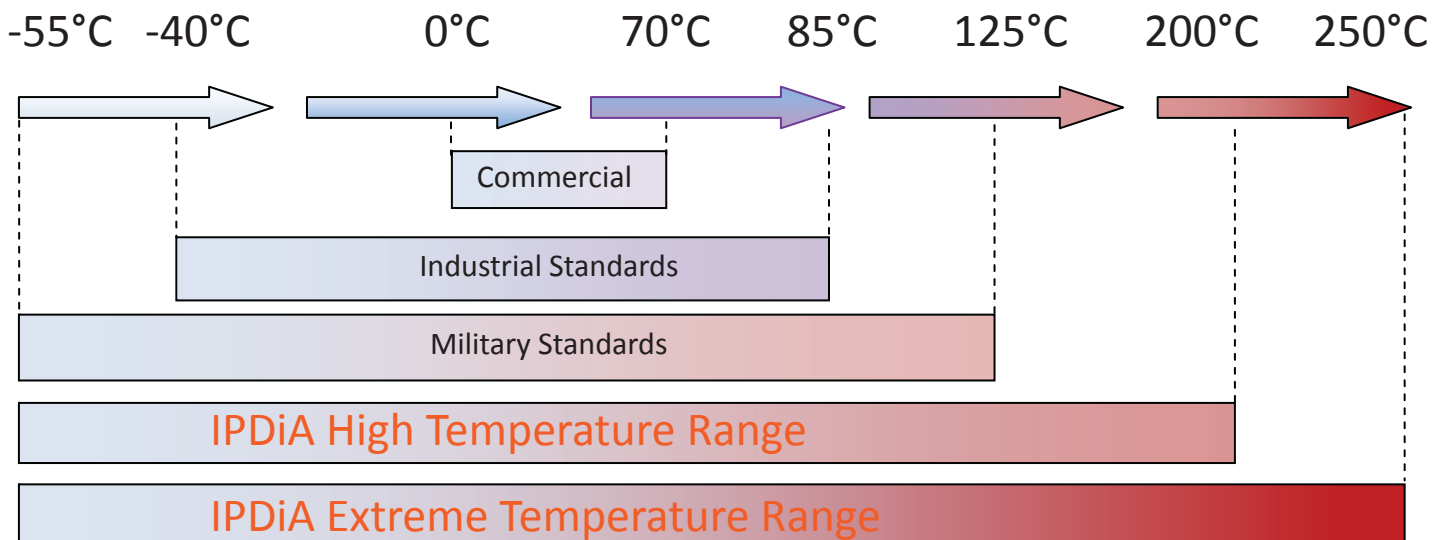
Micross are offering silicon capacitors that demand extreme operating temperature ranges **up to 250°C**.

Key Features

- High Stability
- Low leakage current
- High Insulation (resistance)
- Ultra low ESR & ESL
- Low profile

Parameters

Parameters	Value
Capacitance Range	1pF to 1μF
Operating Temperature	-55°C to 250°C
Temperature Coefficient	±1% from -55°C to 200°C
Equivalent Serial Inductor (ESL)	Max 100pH
Equivalent Serial Resistor (ESR)	Max 400mΩ
Insulation Resistance	60G min, RVDC from -55°C to 150°C
Capacitor Height	Max 250μm



Size & Cap Value	Size & Cap Value	Size & Cap Value
1005 1.5nF	0402 220pF	0402 10nF
0201 10nF	0402 330pF	0402 15nF
0402 1pF-10pF	0402 470pF	0402 22nF
0402 15pF	0402 680pF	0402 33nF
0402 22pF	0402 1nF	0402 47nF
0402 33pF	0402 1.5nF	0603 100nF
0402 47pF	0402 2.2nF	0805 100nF
0402 68pF	0402 3.3nF	1206 100nF
0402 100pF	0402 4.7nF	1206 470nF
0402 150pF	0402 6.8nF	1206 1uF

Applications

- Deep well oil exploration
- Automotive Electronics
- Motor Controllers
- Power Inverters
- Pulsed Power
- Power Electronics

