



# PPTC POLYMER PTC RESETTABLE FUSES

## FEATURES

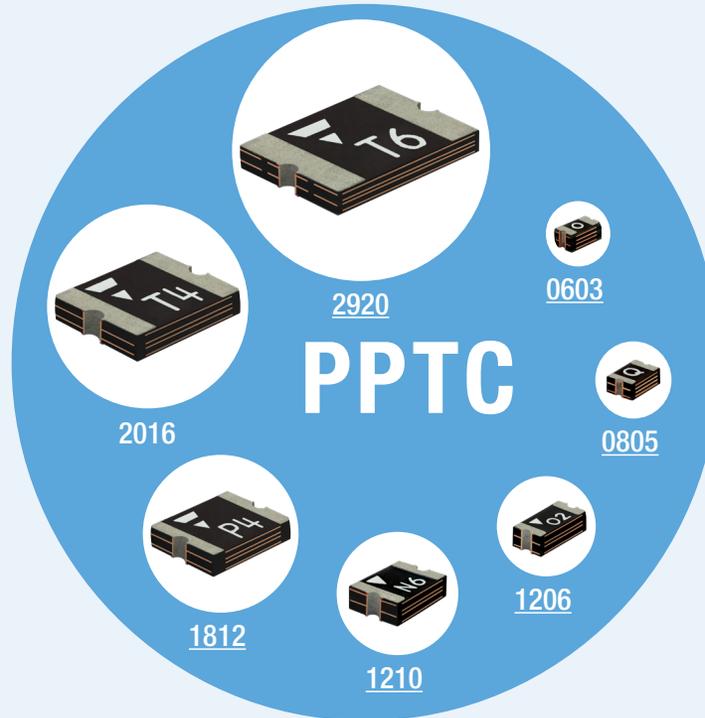
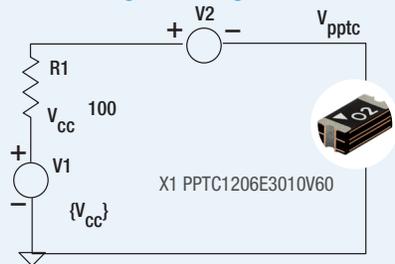
**Fast reaction times** to overcurrent flow

Minimal voltage drop due to **low cold resistance**

Max. surface temperature **below 125 °C**

Halogen and lead (Pb)-free

SPICE circuit generating GRAPH below



## APPLICATIONS

- **OVERCURRENT** resettable protection in:
  - USB and HDMI power ports and peripherals
  - Battery protection circuit modules
  - Set-top boxes
  - Consumer electronics
- Home automation sensors
- Battery-operated electronics



CONSUMER



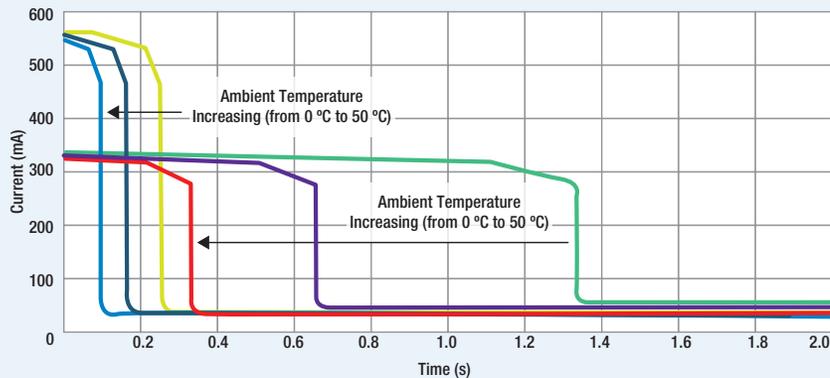
UPS



POWER SUPPLIES



## SIMULATED REACTION TIME VS OVERCURRENTS AND AMBIENT TEMPERATURE



## SEVEN SIZES AVAILABLE WITH A WIDE RANGE OF HOLDING CURRENTS

Size	$I_{hold}$ Current Rating (A)	Average Cold Resistance ( $\Omega$ )	$V_{max}$ Voltage Rating (V)	$I_{max}$ Current Rating (A)	Max. Profile Height (mm)
<a href="#">0603</a>	0.02 to 0.50	0.2 to 20	6 to 60	40	0.95
<a href="#">0805</a>	0.05 to 0.75	0.15 to 3.0	6 to 60	100	1.25
<a href="#">1206</a>	0.05 to 1.10	0.08 to 10	8 to 60	10 to 100	1.25
<a href="#">1210</a>	0.05 to 1.50	0.06 to 10	6 to 90	10 to 100	1.80
<a href="#">1812</a>	0.14 to 2.60	0.02 to 2.0	8 to 60	10 to 100	1.95
<a href="#">2016</a>	0.3 to 3.0	0.02 to 1.0	15 to 60	20 to 40	2.00
<a href="#">2920</a>	0.5 to 5.0	0.01 to 0.7	15 to 60	10 to 40	2.00

For technical questions: [nr@vishay.com](mailto:nr@vishay.com)