



DID YOU KNOW? PTS ELECTRONIC MODELS OFFER HIGH VERSATILITY

Vishay Beyschlag PTS series platinum thin film RTDs are ubiquitous in many temperature sensing and compensation circuits. Electronic simulation of these applications is now possible with versatile electronic models of these components and many others. The models can be used with SPICE programs like LTspice® from Analog Devices for analog simulation, or VHDL-AMS for mixed analog, digital, and thermal modeling in SystemVision® Cloud (SVC) from Mentor, a Siemens Business.

For example, Figure 1 represents an LTspice temperature sensing simulation with Analog Devices' LTC2063 and a Vishay SMD PTS acting as a linear temperature sensor. Figure 2 shows SVC temperature sensing and control of a laser device by a Peltier element, with a Vishay PTS as the temperature sensor.

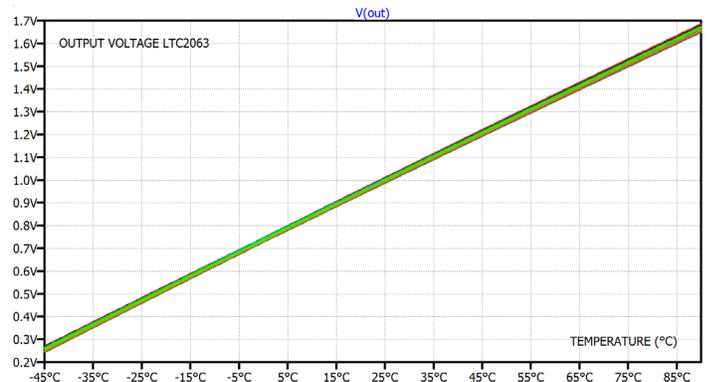
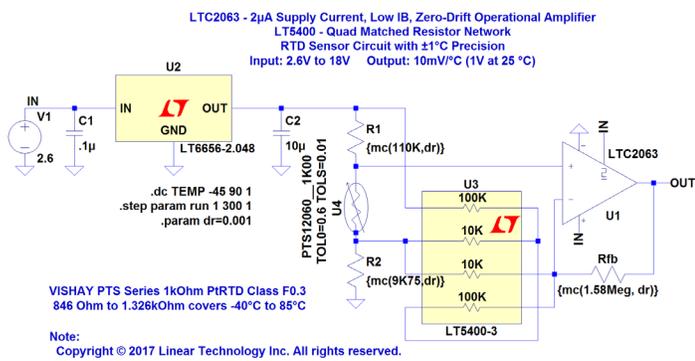


Fig. 1 - LTspice Simulation of Opamp LTC2063 Linear Output With PTS Sensing

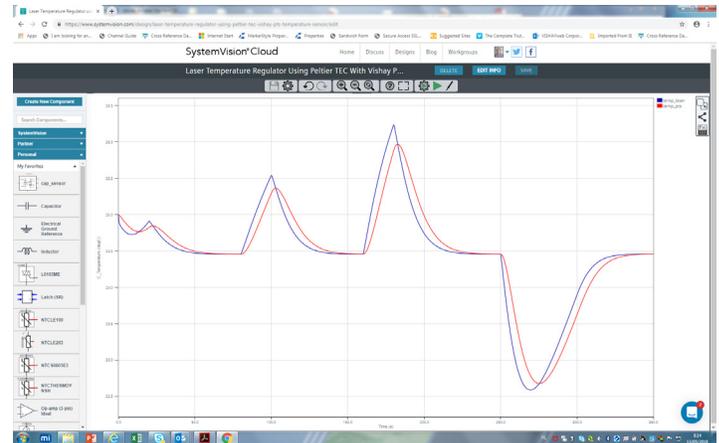
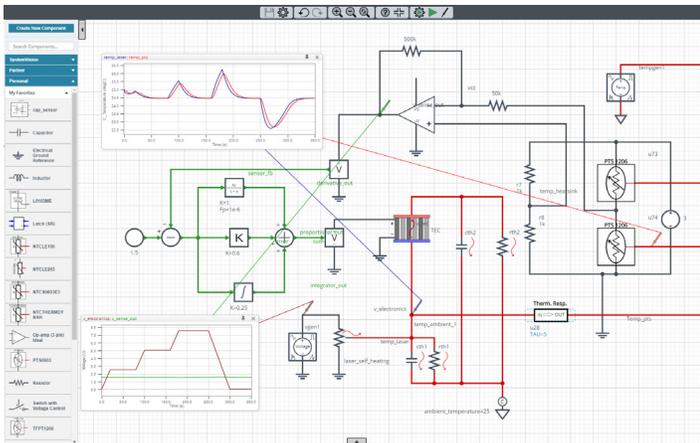


Fig. 2 - SVC Simulation of Laser Temperature Control With PTS Sensing

To learn more about the PTS, please visit www.vishay.com/ppg?28762, for the PTS AT, an AEC-Q200 version, please visit www.vishay.com/ppg?28899.