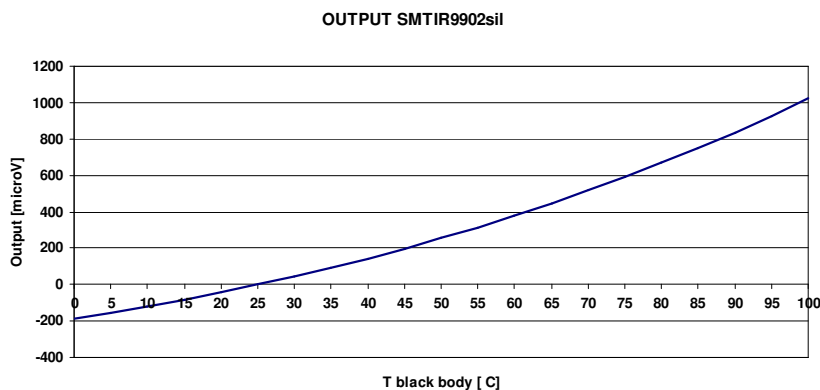
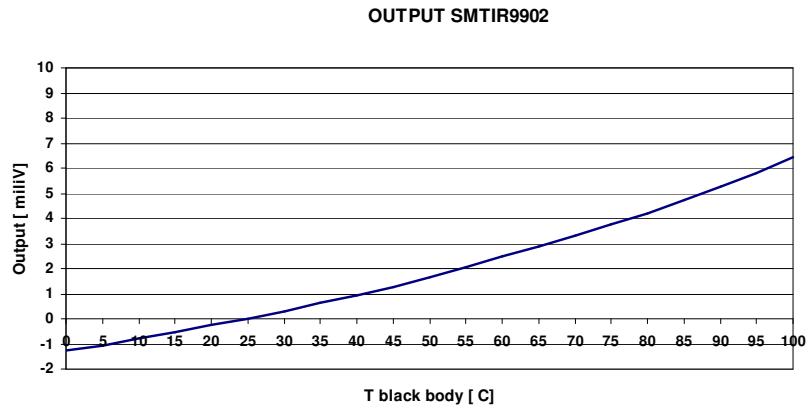


THERMOPILE OUTPUT

The below graphs give the output response as function of the temperature of a black body. Please pay attention to the fact that the thermopile body has a temperature of 25 °C.



It is possible to connect the SMTIR9902sil to the interface board SMTIRINO6. This evaluation board is designed to be connected to the SMTIR9902 infrared sensor. For connecting the SMTIR9902sil one of the Chebychev coefficients has to be changed. Coefficient nr 15 has to be divided by 6 so for the SMTIR9902 it was 0.0035 and for the SMTIR9902sil it has to be changed to 0.000583. Be aware this factor can be influenced by the emission factor of the radiating body.