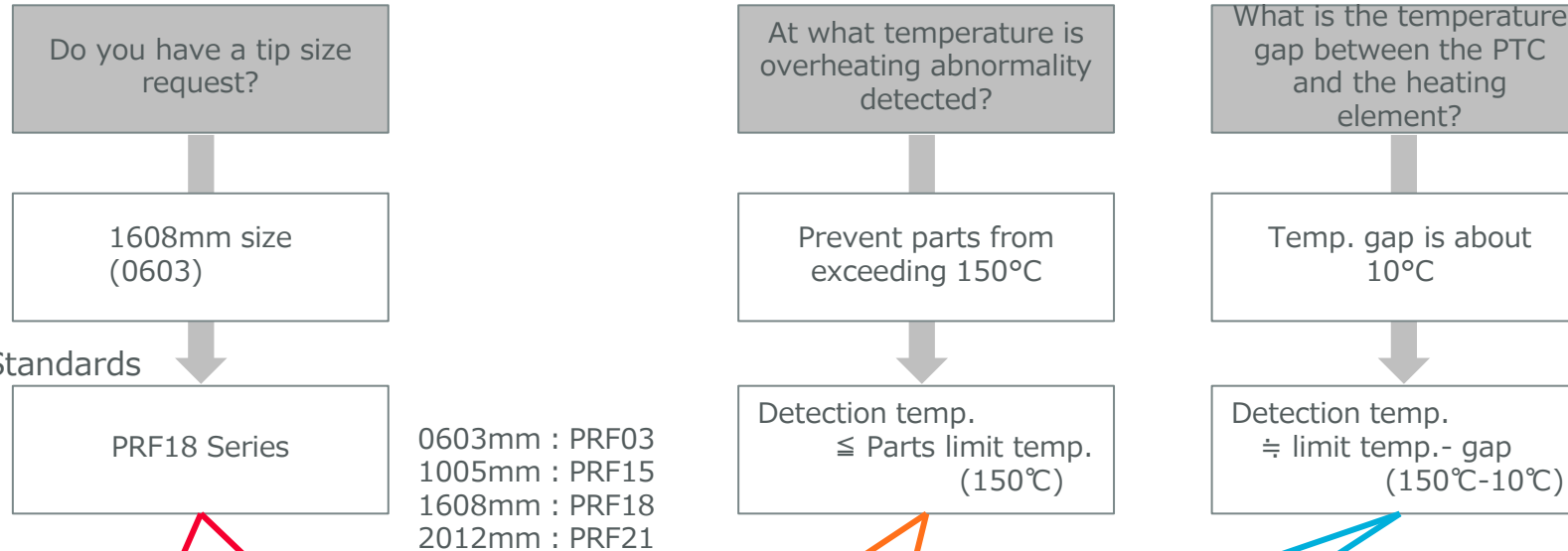


Overheat Temperature Sensing Selection Method

● Confirmation Items

● Example

● Selection Standards



There are lineups that differ only in the detection temperature, so if you are unsure, you can start considering "0°C gap".

Chip Type 0603 (1608) Size

Part Number	Sensing Temperature (at 4.7k Ω) (°C)	Sensing Temperature (at 47k Ω) (°C)	Maximum Voltage (V)	Resistance (at 25°C) (Ω)	Operating Temperature Range (°C)
PRF18AS471QB5RB	145 \pm 5°C	-	32	470 \pm 50%	-20 to 160
PRF18AR471QB5RB	135 \pm 5°C	150 \pm 5°C	32	470 \pm 50%	-20 to 160
PRF18BA471QB5RB	125 \pm 5°C	140 \pm 5°C	32	470 \pm 50%	-20 to 150
PRF18BB471QB5RB	115 \pm 5°C	130 \pm 7°C	32	470 \pm 50%	-20 to 140
PRF18BC471QB5RB	105 \pm 5°C	120 \pm 7°C	32	470 \pm 50%	-20 to 130
PRF18BD471QB5RB	-	110 \pm 7°C	32	470 \pm 50%	-20 to 120
PRF18BE471QB5RB	-	100 \pm 7°C	32	470 \pm 50%	-20 to 110

It is best to start with PRF18AR471 or PRF18BB471.