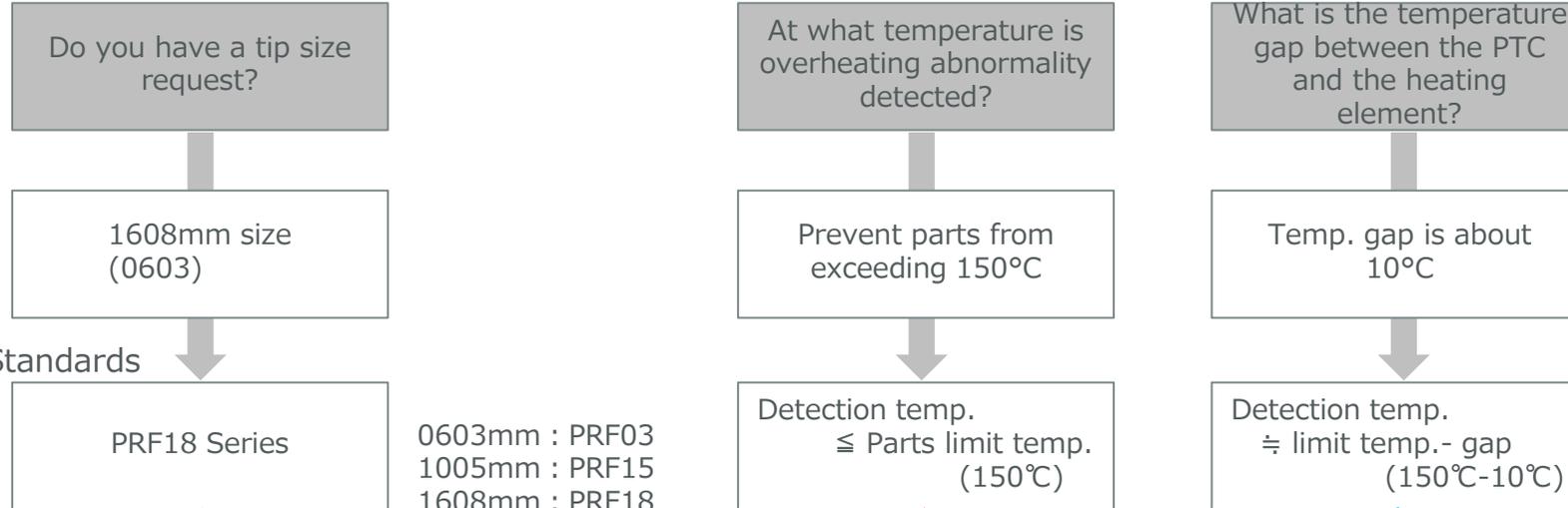


# Overheat Temperature Sensing Selection Method

● Confirmation Items



● Example

● Selection Standards

0603mm : PRF03  
1005mm : PRF15  
1608mm : PRF18  
2012mm : PRF21

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 4.7kΩ) (°C)	Sensing Temperature (at 47kΩ) (°C)	Maximum Voltage (V)	Resistance (at 25°C) (Ω)	Operating Temperature Range (°C)
PRF18AS471QB5RB	145 ±5°C	-	32	470 ±50%	-20 to 160
PRF18AR471QB5RB	135 ±5°C	150 ±7°C	32	470 ±50%	-20 to 160
PRF18BA471QB5RB	125 ±5°C	140 ±7°C	32	470 ±50%	-20 to 150
PRF18BB471QB5RB	115 ±5°C	130 ±7°C	32	470 ±50%	-20 to 140
PRF18BC471QB5RB	105 ±5°C	120 ±7°C	32	470 ±50%	-20 to 130
PRF18BD471QB5RB	95 ±5°C	110 ±7°C	32	470 ±50%	-20 to 120
PRF18BE471QB5RB	85 ±5°C	100 ±7°C	32	470 ±50%	-20 to 110

It is best to start with PRF18AR471 or PRF18BB471.