

● Part Numbering

PTC Thermistor for Overheat Sensing Chip Type

(Part Number)

PR	F	18	BB	471	Q	B5	RB
1	2	3	4	5	6	7	8

① Product ID

Product ID	
PR	PTC Thermistor Chip Type

② Series

Code	Series
F	for Overheat Sensing

③ Dimensions (LxW)

Code	Dimensions (LxW)	EIA
03	0.6x0.3mm	0201
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
21	2.0x1.25mm	0805

④ Temperature Characteristics

Code	Temperature Characteristics
AS	Curie Point 130°C
AR	Curie Point 120°C
BA	Curie Point 110°C
BB	Curie Point 100°C
BC	Curie Point 90°C
BD	Curie Point 80°C
BE	Curie Point 70°C
BF	Curie Point 60°C
BG	Curie Point 50°C

⑤ Resistance

Expressed by three figures. The unit is ohm (Ω). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two figures.

Ex.

Code	Resistance
471	470 Ω
541	540 Ω
102	1k Ω

⑥ Resistance Tolerance

Code	Resistance Tolerance
Q	Special Tolerance (Sensing temp. (1) tolerance $\pm 5^\circ\text{C}$)
R	Special Tolerance (Sensing temp. (1) tolerance $\pm 3^\circ\text{C}$)

⑦ Individual Specifications

Ex.

Code	Individual Specifications
B <input type="checkbox"/>	Structure, others (for Consumer)
S <input type="checkbox"/>	Structure, others (for Automotive)

⑧ Packaging

Code	Packaging
RA	Embossed Taping 4mm pitch (4000pcs.)
RB	Paper Taping 4mm pitch (4000pcs.)
RC	Paper Taping 2mm pitch (10000pcs.)
RL	Paper Taping 2mm pitch (15000pcs.)