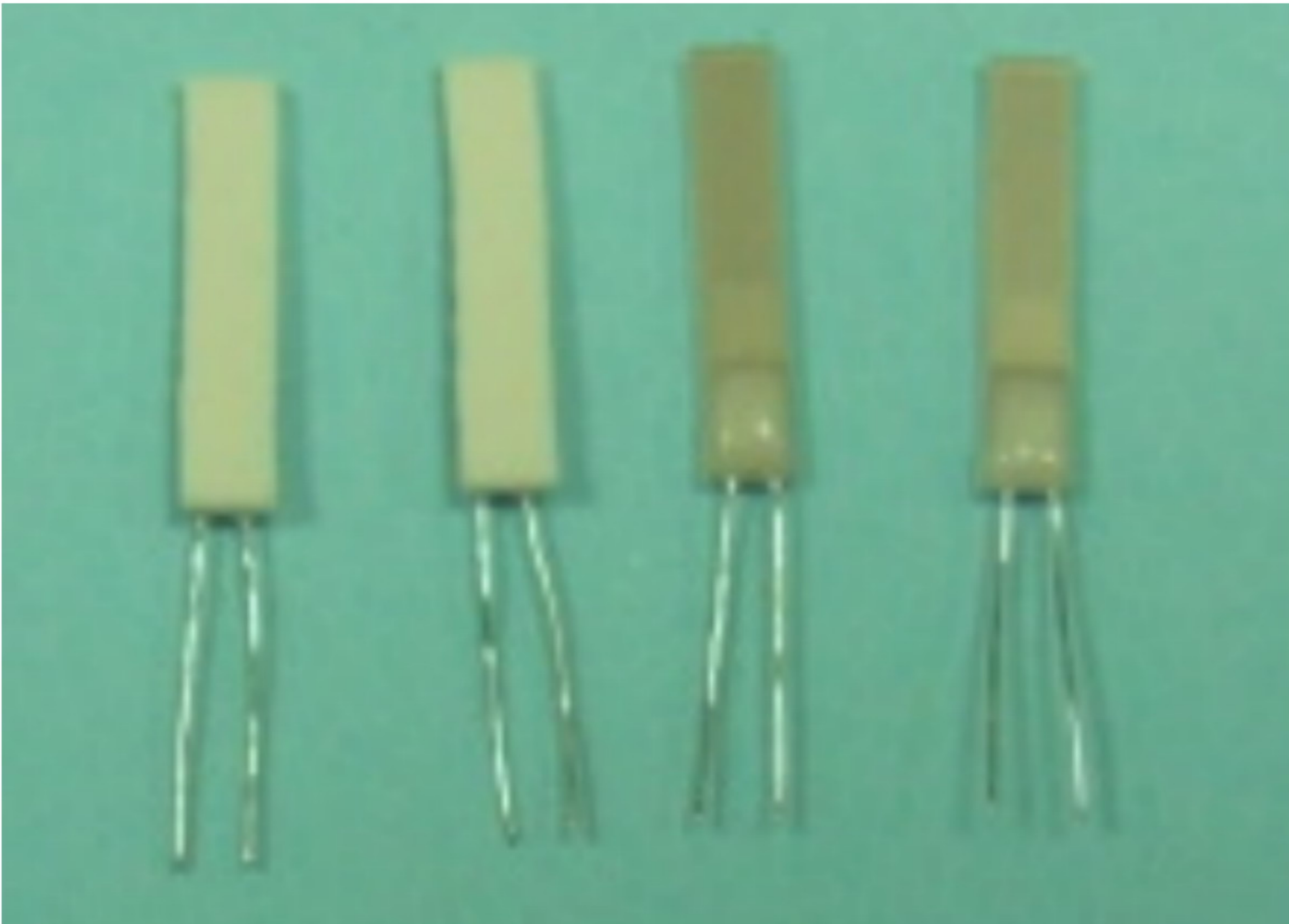
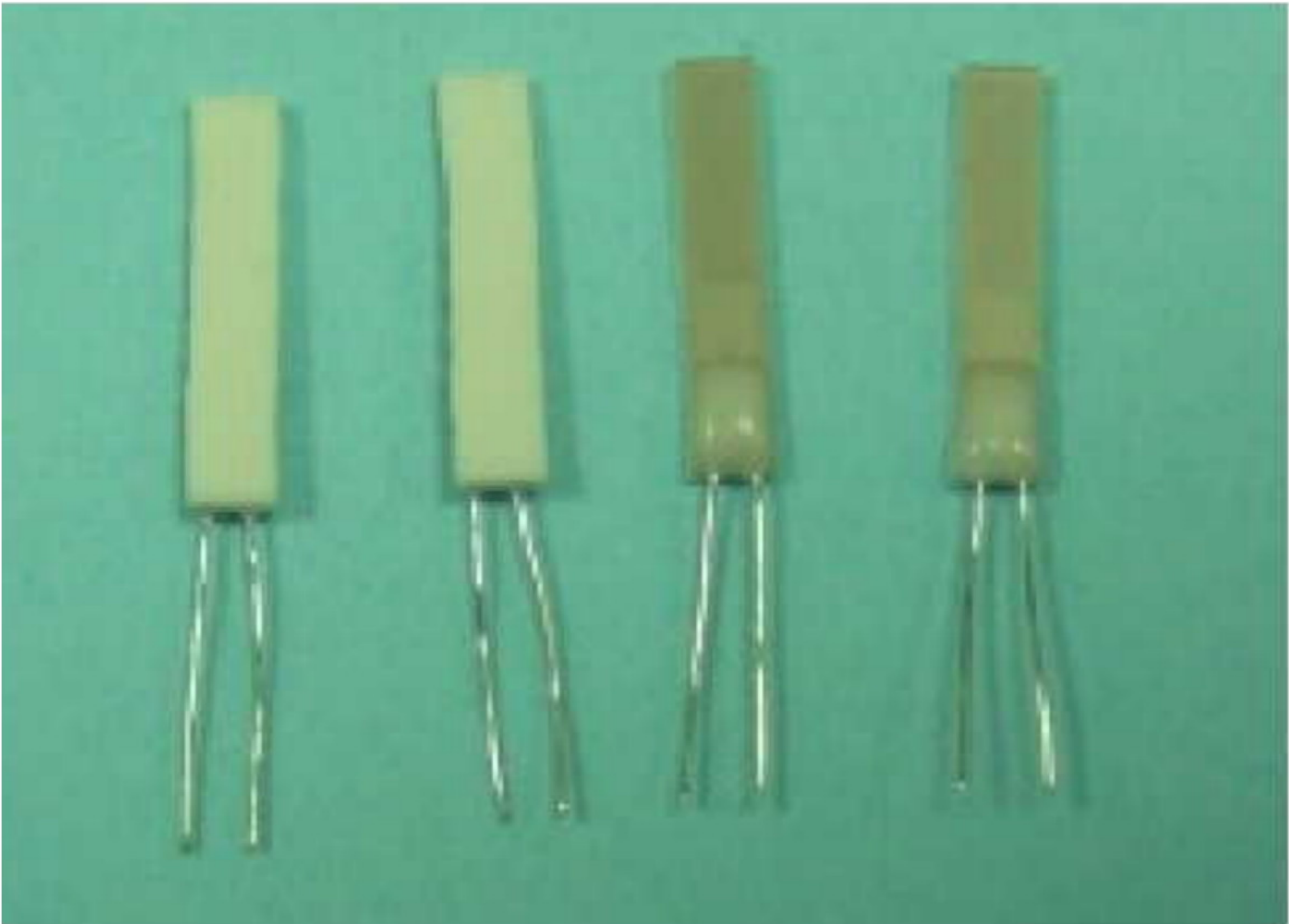
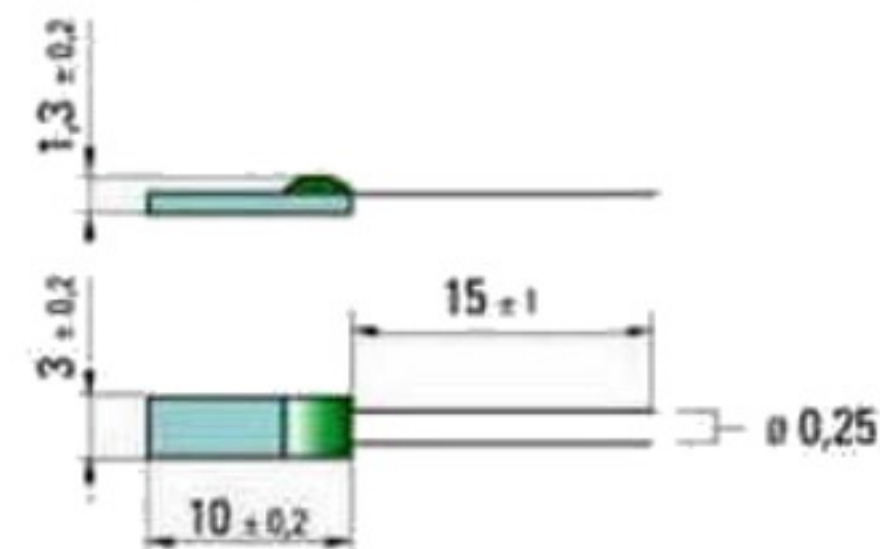
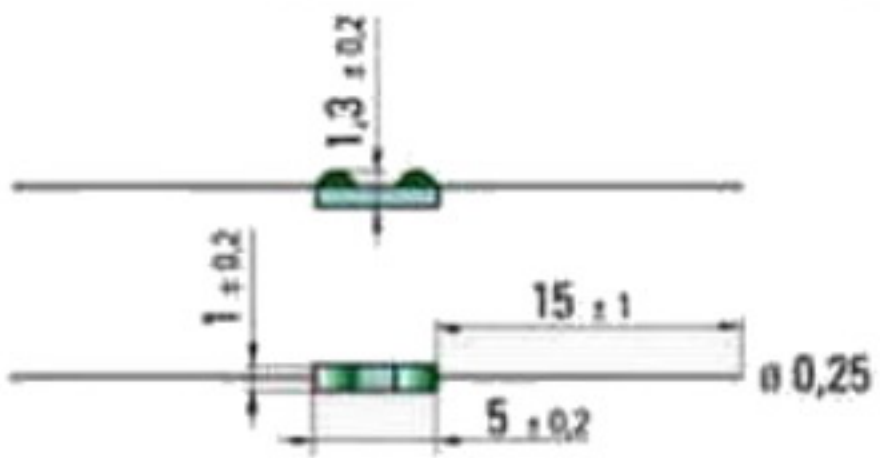
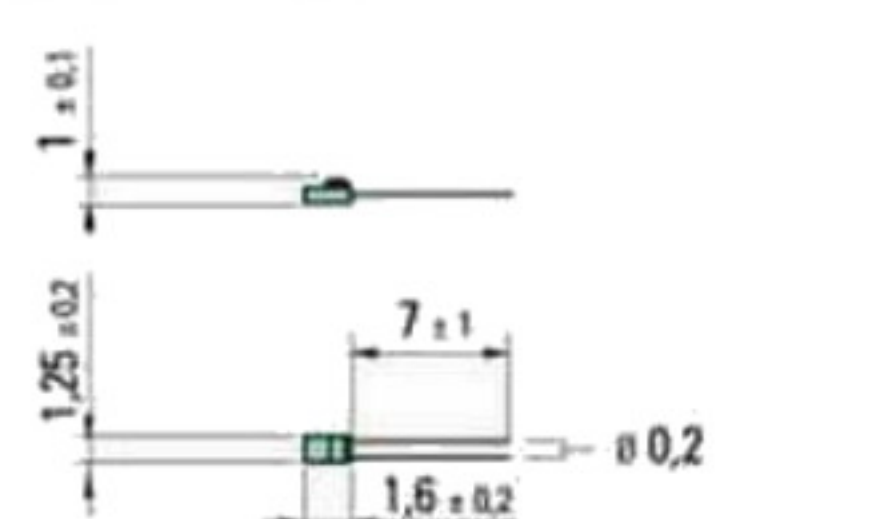
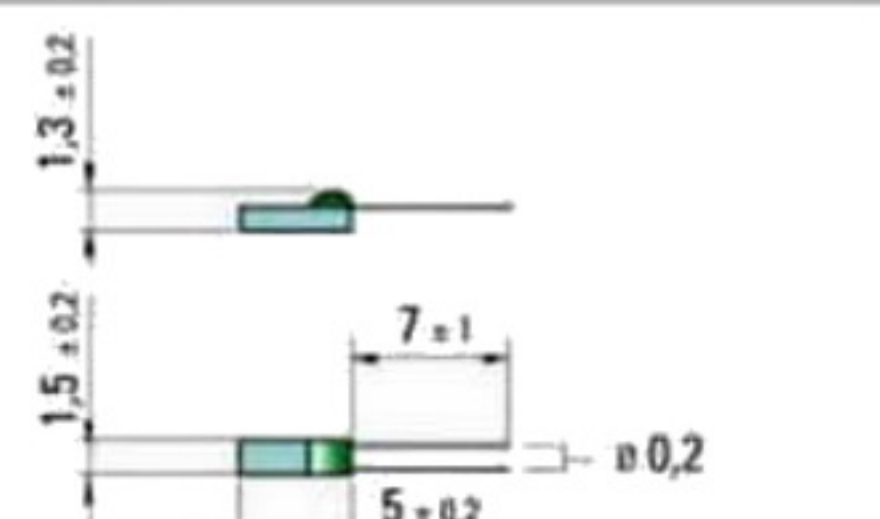
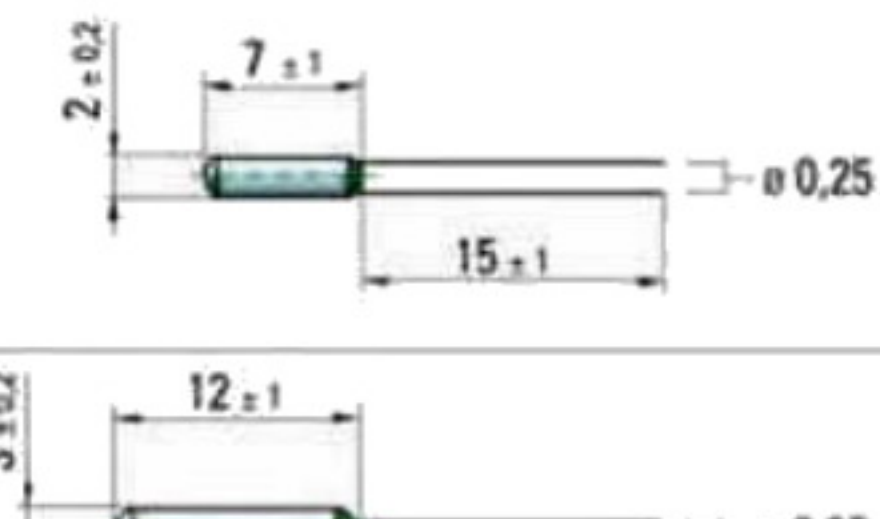
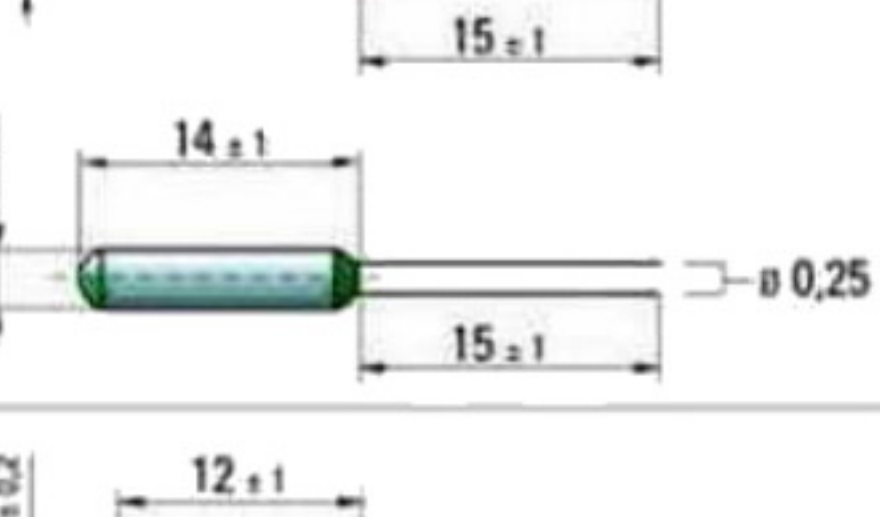
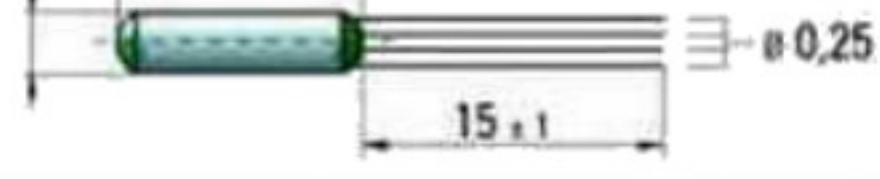


PT100 - FM2141

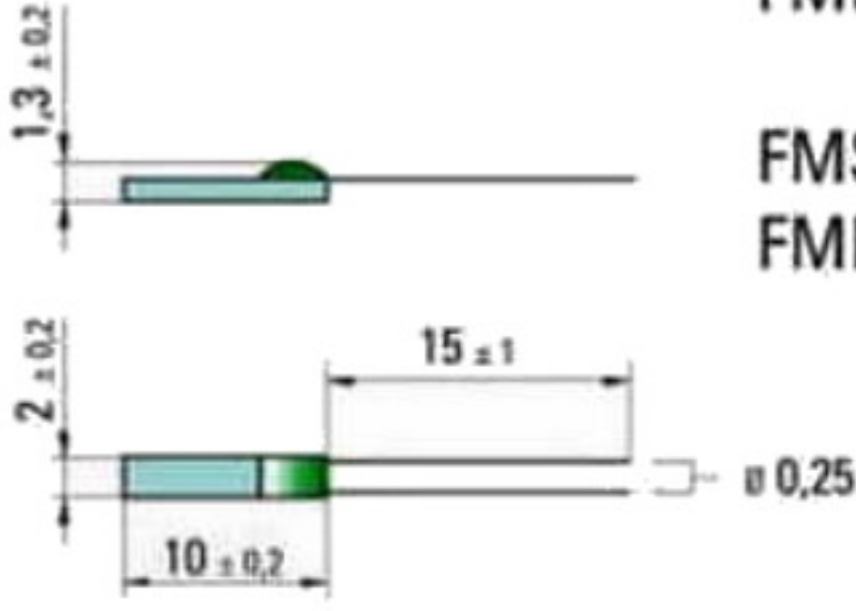
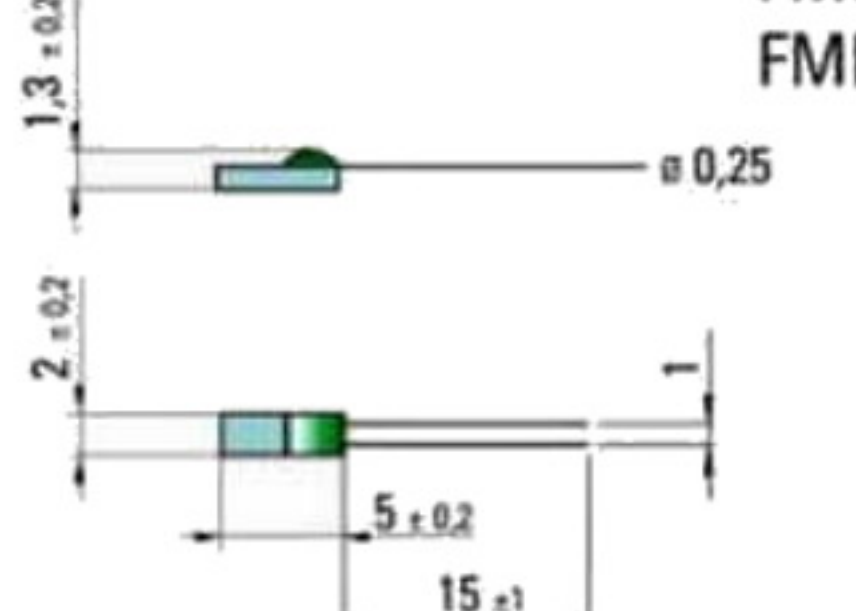
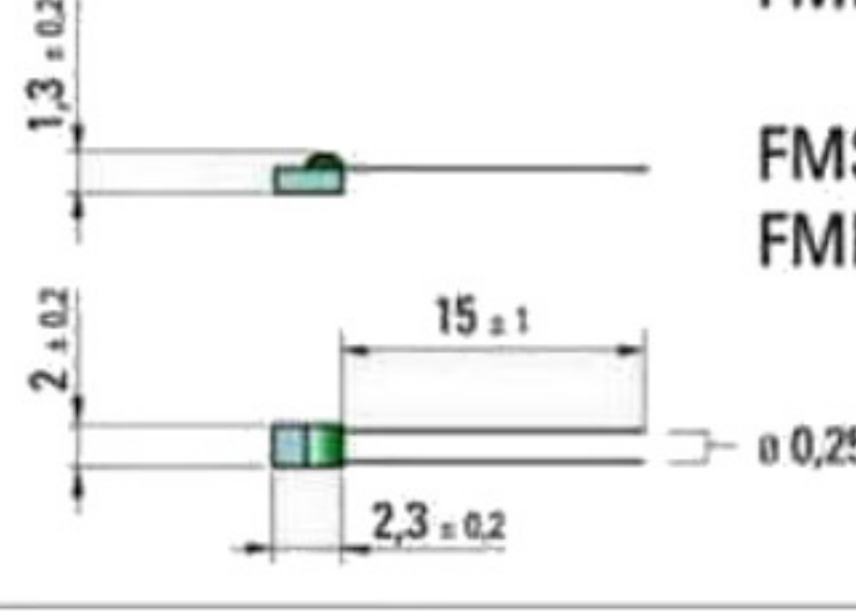
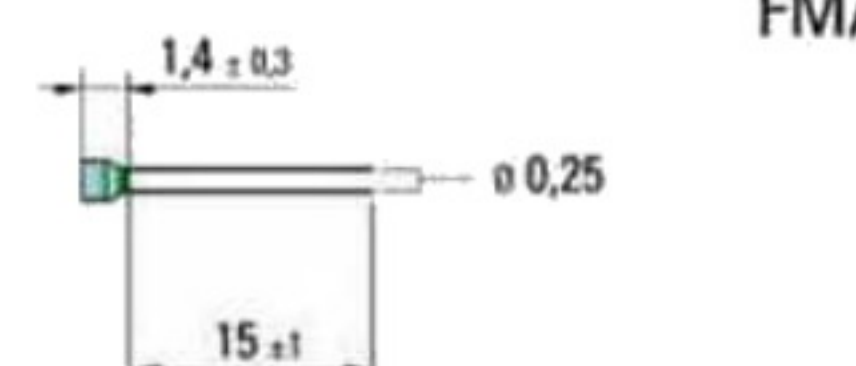


Data Chart for Platinum Temperature Sensors,forms of supply

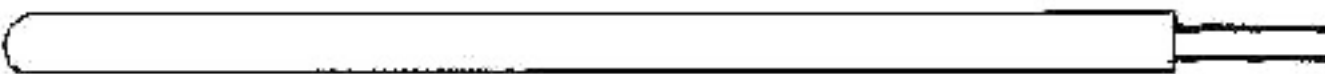
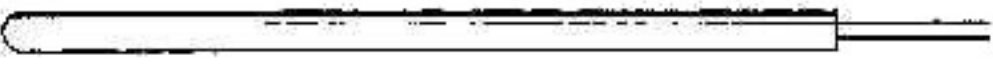
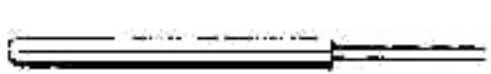
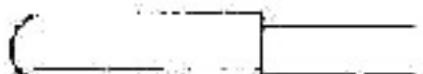
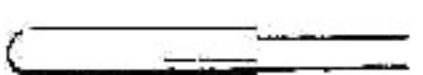
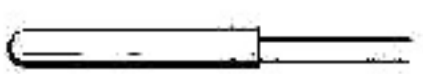
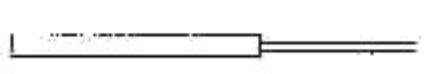
(1/5 DIN , 1/3 DIN)

type	nomi- nal resi- stance	Response time in sec.				self heating					
		water v = 0,2 m/s		air v = 1 m/s		coefficient mW/K		measuring current Δt = 0,1 K bei/at 20 °C			
		Ohm	T 0,5	T 0,9	T 0,5	T 0,9	water v= 0,2 m/s	air v=1 m/s	water v = 1 m/s		air v = 1 m/s
FMS 2100 FMP 2100	Pt 100		0,07	0,4	8	30	130	8	10	2	
FMS 2104 FMP 2104	Pt 100		0,05	0,2	4	10	40	4	6	2	
FMP 2108	Pt 100		0,05	0,2	3	10	40	4	6	2	
FMP 2107	Pt 100		0,07	0,4	6	10	40	8	10	2	
FMS 2103 R	Pt 100		0,07	0,3	6	20	40	6	6	2	
FMS 2132 R	Pt 500		1,3	5,0	15	50	40	10	3	1	
FMS 2142 R	Pt 1000		1,3	5,0	15	50	40	10	2	1	
FMS 2102	Pt 100		1,3	5,0	15	50	40	10	6	3	
FMS 2202 R	2 x Pt 100		1,3	5,0	15	50	40	10	6	3	

(1/5 DIN , 1/3 DIN)

	Type	nomi- nal resi- stance Ohm	response time in sec.				self heating			
			water		air		coefficient		measuring current	
			v = 0,2 m/s		v =1 m/s		mW/K		$\Delta t = 0,1 \text{ K bei/at } 20 \text{ }^{\circ}\text{C}$	
			T 0,5	T 0,9	T 0,5	T 0,9	water v= 0,2 m/s	air v=1 m/s	water v =1 m/s	air v =1 m/s
	FMS 2101 FMP 2101	Pt 100	0,07	0,3	6	20	110	6	10	2
	FMS 2131 FMP 2131	Pt 500	0,07	0,3	6	20	110	6	4	1,1
	FMS 2141 FMP 2141	Pt 1000	0,07	0,3	6	20	35	6	3	0,8
	FMS 2103 FMP 2103	Pt 100	0,07	0,3	6	20	35	6	6	2
	FMS 2133 FMP 2133	Pt 500	0,07	0,3	6	20	35	6	3	1
	FMS 2105 FMP 2105	Pt 100	0,07	0,2	4	10	35	3,5	6	2
	FMS 2145 FMP 2145	Pt 1000	0,07	0,2	4	10	35	6	4	0,8
	FMA 2105	Pt 100	0,07	0,2	4	10	35	3,5	6	2

(1/10 DIN)

All dimensions in mm Detectors shown same size		Resistance tolerance at 0°C	Ceramic length (mm)	Ceramic diameter (mm)	Sensing length (mm)
P100/7040		0.1%	70 + 0 - 0.5	4 + 0 - 0.03	65 ± 1
P100/6548		0.1%	65 + 0 - 0.5	4.75 + 0 - 0.03	62 ± 1
P100/5024 P2100/5024		0.1%	50 + 0 - 0	2.4 + 0 - 0.03	47 ± 1
P100/5015 P2100/5015		0.1%	50 + 0 - 0.5	1.5 + 0 - 0.03	47 ± 1
P100/3045 P2100/3045		0.1%	30 + 0 - 0.5	4.5 + 0 - 0.03	27 ± 1
P100/3038 P2100/3038		0.1%	30 + 0 - 0.5	3.8 + 0 - 0.03	27 ± 1
P100/2532 P2100/2532		0.1%	25 + 0 - 0.5	3.2 + 0 - 0.03	22 ± 1
P100/2528 P2100/2528		0.1%	25 + 0 - 0.5	2.8 + 0 - 0.03	22 ± 1
P100/2524 P2100/2524		0.1%	25 + 0 - 0.5	2.4 + 0 - 0.03	22 ± 1
P100/2516 P2100/2516		0.1%	25 + 0 - 0.5	1.6 + 0 - 0.03	22 ± 1
P100/2515 P2100/2515		0.1%	25 + 0 - 0.5	1.5 + 0 - 0.03	22 ± 1
P100/2020 P2100/2020		0.1%	20 + 0 - 0.5	2.0 + 0 - 0.03	17 ± 1
P100/1545 P2100/1545		0.1%	15 + 0 - 0.5	4.5 + 0 - 0.03	12 ± 1
P100/1532 P2100/1532		0.1%	15 + 0 - 0.5	3.2 + 0 - 0.03	12 ± 1
P100/1530 P2100/1530		0.1%	15 + 0 - 0.5	3.0 + 0 - 0.03	12 ± 1
P100/1528 P2100/1528		0.1%	15 + 0 - 0.5	2.8 + 0 - 0.03	12 ± 1
P100/1524 P2100/1524		0.1%	15 + 0 - 0.5	2.4 + 0 - 0.03	12 ± 1
P100/1520 P2100/1520		0.1%	15 + 0 - 0.5	2.0 + 0 - 0.03	12 ± 1
P100/1516 P2100/1516		0.1%	15 + 0 - 0.5	1.6 + 0 - 0.03	12 ± 1
P100/1516/16 Square		0.1%	15 + 0 - 0.5	1.6 ± 0.5% X 1.6 = 0.5%	12 ± 1
P100/1515 P2100/1515		0.1%	15 + 0 - 0.5	1.5 + 0 - 0.03	12 ± 1
P100/1512		0.1%	15 + 0 - 0.5	1.2 + 0 - 0.03	12 ± 1
P100/1509		0.1%	15 + 0 - 0.5	0.9 ± 5%	12 ± 1
P100/1508		0.1%	15 + 0 - 0.5	0.8 + 0 - 0.1	12 ± 1
P100/1016		0.1%	10 + 0 - 0.5	1.5 + 0 - 0.03	8 ± 1