

## PSB系列热敏电阻电气特性表 (芝浦电子)

项目 规格	特徵代号	标准零能量电阻值	标准另能量电阻值 25℃时	B 值	B 值 (在25℃/85℃)	R-T曲线
PSB-S1	a PB-36	6 KΩ (at 0℃)	2.186 KΩ	3390K±2% (0℃~100℃)	3420K	Type A
	PB-41E	15 KΩ (at 0℃)	5.369 KΩ	3450K±2% (0℃~100℃)	3480K	Type B
	PB-43	30 KΩ (at 0℃)	10.74 KΩ	3450K±2% (0℃~100℃)	3480K	Type C
	PT-51F	3.3 KΩ (at 100℃)	49.12 KΩ	3970K±2% (0℃~100℃)	3992K	Type D
	PT-25E2	0.55 KΩ (at 200℃)	98.63 KΩ	4300K±3% (100℃~200℃)	4066K	Type E
	PT-312	1 KΩ (at 200℃)	231.4 KΩ	4537K±3% (100℃~200℃)	4240K	Type F
	PM-342	4 KΩ (at 200℃)	1388 KΩ	5133K±3% (200℃~300℃)	4557K	Type G
PSB-S3	a PB3-36	6 KΩ (at 0℃)	2.186 KΩ	3390K±2% (0℃~100℃)	3420K	Type A
	PB3-41E	15 KΩ (at 0℃)	5.369 KΩ	3450K±2% (0℃~100℃)	3480K	Type B
	PB3-43	30 KΩ (at 0℃)	10.74 KΩ	3450K±2% (0℃~100℃)	3480K	Type C
	PT3-51F	3.3 KΩ (at 100℃)	49.12 KΩ	3970K±2% (0℃~100℃)	3992K	Type D
	PT3-25E2	0.55 KΩ (at 200℃)	98.63 KΩ	4300K±3% (100℃~200℃)	4066K	Type E
	PT3-312	1 KΩ (at 200℃)	231.4 KΩ	4537K±3% (100℃~200℃)	4240K	Type F
	PM3-342	4 KΩ (at 200℃)	1388 KΩ	5133K±3% (200℃~300℃)	4557K	Type G
PSB-S5	b PB5-41E	15 KΩ (at 0℃)	5.369 KΩ	3450K±2% (0℃~100℃)	3480K	Type B
	PB5-43	30 KΩ (at 0℃)	10.74 KΩ	3450K±2% (0℃~100℃)	3480K	Type C
	PT5-51F	3.3 KΩ (at 100℃)	49.12 KΩ	3970K±2% (0℃~100℃)	3992K	Type D
	PT5-25E2	0.55 KΩ (at 200℃)	98.63 KΩ	4300K±3% (100℃~200℃)	4066K	Type E
	PT5-312	1 KΩ (at 200℃)	231.4 KΩ	4537K±3% (100℃~200℃)	4240K	Type F
	PM5-342	4 KΩ (at 200℃)	1388 KΩ	5133K±3% (200℃~300℃)	4557K	Type G
PSB-S7	b PB7-43	30 KΩ (at 0℃)	10.74 KΩ	3450K±2% (0℃~100℃)	3480K	Type C
	PT7-51F	3.3 KΩ (at 100℃)	49.12 KΩ	3970K±2% (0℃~100℃)	3992K	Type D
	PT7-25E2	0.55 KΩ (at 200℃)	98.63 KΩ	4300K±3% (100℃~200℃)	4066K	Type E
	PT7-312	1 KΩ (at 200℃)	231.4 KΩ	4537K±3% (100℃~200℃)	4240K	Type F

项目 规格	特徵代号	标准零能量电阻值	标准另能量电阻值 25℃时	B 值	B 值 (在25℃/85℃)	R-T曲线
PSB-N	a PBN-36	6 KΩ (at 0℃)	2.186 KΩ	3390K±2% (0℃~100℃)	3420K	Type A
	PBN-41E	15 KΩ (at 0℃)	5.369 KΩ	3450K±2% (0℃~100℃)	3480K	Type B
	PBN-43	30 KΩ (at 0℃)	10.74 KΩ	3450K±2% (0℃~100℃)	3480K	Type C
	PTN-51F	3.3 KΩ (at 100℃)	49.12 KΩ	3970K±2% (0℃~100℃)	3992K	Type D
	PTN-25E2	0.55 KΩ (at 200℃)	98.63 KΩ	4300K±3% (100℃~200℃)	4066K	Type E
	PTN-312	1 KΩ (at 200℃)	231.4 KΩ	4537K±3% (100℃~200℃)	4240K	Type F
	PMN-342	4 KΩ (at 200℃)	1388 KΩ	5133K±3% (200℃~300℃)	4557K	Type G
PSB-N3	a PBN3-41E	15 KΩ (at 0℃)	5.369 KΩ	3450K±2% (0℃~100℃)	3480K	Type B
	PBN3-43	30 KΩ (at 0℃)	10.74 KΩ	3450K±2% (0℃~100℃)	3480K	Type C
	PTN3-51F	3.3 KΩ (at 100℃)	49.12 KΩ	3970K±2% (0℃~100℃)	3992K	Type D
	PTN3-25E2	0.55 KΩ (at 200℃)	98.63 KΩ	4300K±3% (100℃~200℃)	4066K	Type E
	PTN3-312	1 KΩ (at 200℃)	231.4 KΩ	4537K±3% (100℃~200℃)	4240K	Type F
	PMN3-342	4 KΩ (at 200℃)	1388 KΩ	5133K±3% (200℃~300℃)	4557K	Type G
PMH	b PM-382	8 KΩ (at 200℃)	2.7 KΩ (at 250℃)	5300K±3% (150℃~250℃)	5300K (150℃~250℃)	Type H

注：下注偏差提供可能：

a电阻值：(±1%)、±2.5%、±5%、±10%

b电阻值：±2.5%、±5%、±10%

B 值：(3390K、3450K、3970K) 的±1%、±2%  
(4300K、4537K、5133K) 的±1%、±2%、±3%

# 密封性热敏电阻R-T曲线 (芝浦电子)

单位: KΩ

R-T曲线 温度℃	A 型	B 型	C 型	D 型	E 型	F 型	G 型	H 型	
-50	77.582	203.98	407.96						
-45	57.692	150.72	301.43						
-40	43.340	112.54	225.09						
-35	32.874	84.884	169.77						
-30	25.166	64.632	129.26						
-25	19.433	49.658	99.316	657.35	1317.4				
-20	15.132	38.481	76.963	487.37	980.54				
-15	11.876	30.065	60.129	365.04	736.79				
-10	9.3920	23.672	47.344	276.06	558.64				
-5	7.4810	18.777	37.554	210.69	427.22				
0	6.0000	15.000	30.000	162.21	329.40	806.46			
5	4.8440	12.064	24.128	125.78	254.96	618.94			
10	3.9355	9.7654	19.531	98.322	198.90	478.76			
15	3.2167	7.9537	15.907	77.454	156.33	373.11			
20	2.6445	6.5165	13.033	61.465	123.75	292.85			
25	2.1862	5.3694	10.739	49.120	98.633	231.44	1388.1	3793.8	
30	1.8169	4.4482	8.8965	39.517	79.126	184.11	1085.0	2929.1	
35	1.5178	3.7044	7.4088	31.996	63.874	147.37	853.90	2277.7	
40	1.2741	3.1004	6.2007	26.065	51.870	118.68	676.47	1783.4	
45	1.0747	2.6073	5.2147	21.358	42.364	96.126	539.29	1405.4	
50	0.91057	2.2029	4.4057	17.599	34.790	78.291	432.53	1114.6	
55	0.77491	1.8694	3.7388	14.579	28.721	64.104	348.92	889.28	
60	0.66224	1.5932	3.1865	12.140	23.831	52.757	283.03	713.62	
65	0.56826	1.3634	2.7269	10.159	19.869	43.633	230.82	575.88	
70	0.48953	1.1714	2.3429	8.5415	16.643	36.258	189.20	467.17	
75	0.42330	1.0103	2.0207	7.2142	14.004	30.266	155.86	380.95	
80	0.36737	0.87459	1.7492	6.1198	11.834	25.376	129.00	312.18	
85	0.31996	0.75978	1.5196	5.2134	10.042	21.366	107.25	257.04	
90	0.27961	0.66232	1.3246	4.4591	8.5558	18.064	89.570	212.62	
95	0.24516	0.57927	1.1585	3.8288	7.3175	15.332	75.118	176.65	
100	0.21563	0.50826	1.0165	3.3000	6.2818	13.062	63.256	147.40	
105	0.19025	0.44734	0.89468	2.8545	5.4120	11.170	53.477	123.49	
110	0.16835	0.39490	0.78980	2.4777	4.6788	9.5853	45.382	103.88	
115	0.14940	0.34962	0.69924	2.1579	4.0585	8.2539	38.654	87.711	
120	0.13296	0.31040	0.62080	1.8855	3.5319	7.1309	33.041	74.337	
125	0.11864	0.27633	0.55266	1.6526	3.0832	6.1806	28.339	63.228	
130	0.10615	0.24665	0.49329	1.4529	2.6996	5.3735	24.387	53.966	
135	0.09521	0.22071	0.44143	1.2811	2.3707	4.6859	21.054	46.215	
140	0.08561	0.19800	0.39599	1.1327	2.0877	4.0982	18.232	39.706	
145	0.07716	0.17804	0.35608	1.0043	1.8436	3.5943	15.837	34.221	
150	0.06971	0.16047	0.32094	0.89279	1.6323	3.1610	13.796	29.584	

R-T曲线	A 型	B 型	C 型	D 型	E 型	F 型	G 型	H 型
温度℃								
155	0.06311	0.14496	0.28992	0.79570	1.4490	2.7873	12.052	25.650
160	0.05727	0.13124	0.26248	0.71092	1.2894	2.4641	10.557	22.303
165	0.05208	0.11907	0.23813	0.63670	1.1502	2.1839	9.2719	19.447
170	0.04746	0.10825	0.21649	0.57155	1.0285	1.9402	8.1643	17.002
175	0.04333	0.098606	0.19721	0.51423	0.92168	1.7277	7.2069	14.904
180	0.03964	0.090001	0.18000	0.46367	0.82781	1.5421	6.3772	13.097
185	0.03633	0.082302	0.16460	0.41896	0.74509	1.3794	5.6563	11.538
190	0.03336	0.075401	0.15080	0.37935	0.67203	1.2366	5.0283	10.189
195	0.03069	0.069202	0.13840	0.34416	0.60737	1.1109	4.4800	9.0180
200	0.02828	0.063624	0.12725	0.31285	0.55000	1.0000	4.0000	8.0000
205				0.28492	0.49900	0.90197	3.5789	7.1125
210				0.25996	0.45358	0.81512	3.2087	6.3369
215				0.23761	0.41303	0.73802	2.8825	5.6577
220				0.21755	0.37677	0.66944	2.5944	5.0615s
225				0.19952	0.34428	0.60831	2.3395	4.5370
230				0.18329	0.31512	0.55373	2.1135	4.0746
235				0.16864	0.28890	0.50490	1.9127	3.6663
240				0.15541	0.26527	0.46114	1.7340	3.3048
245				0.14343	0.24396	0.42184	1.5746	2.9843
250				0.13257	0.22469	0.38650	1.4323	2.6995
255				0.12270	0.20725	0.35467	1.3049	2.4460
260				0.11373	0.19143	0.32594	1.1907	2.2199
265				0.10555	0.17707	0.29998	1.0881	2.0180
270				0.098098	0.16400	0.27648	0.99584	1.8373
275				0.091286	0.15211	0.25517	0.91273	1.6753
280				0.085054	0.14125	0.23582	0.83774	1.5299
285				0.079344	0.13134	0.21823	0.76997	1.3991
290				0.074106	0.12227	0.20222	0.70864	1.2814
295				0.069295	0.11397	0.18761	0.65305	1.1751
300				0.064870	0.10635	0.17428	0.60260	1.0792
305								0.99234
310								0.91369
315								0.84234
320								0.77751
325								0.71855
330								0.66484
335								0.61585
340								0.57112
345								0.53023
350								0.4928

注：红色字体的数字为标准电阻值