

March 17, 2017

Product change

New marking for EPCOS PTC thermistors

In order to standardize the marking of EPCOS PTC thermistors, the reference temperature in °C will be added to the marking. The word "PTC" will be omitted to create the required space.

The color of the marking will be also standardized:

- White for coated PTC thermistors (blue coating)
- Black for all uncoated PTC thermistors

The marking process itself will remain unchanged.

Affected products: see annex

Scheduled date of change: July 1, 2017

There will be no other change in the appearance, function, processability, materials or production process of the affected products. All approvals (UL, VDE, etc.) that have been valid so far will continue to be valid after the change.

The plant in Zhuhai, China, is certified according to ISO/TS 16949 and ISO 9001. Production release will be carried out in conformance with ISO/TS 16949. The established process steps will not be changed. All quality assurance measures will be maintained.

The data sheets may be downloaded under www.epcos.com/ptc.

Enclosure PCN (ID No. PPD16/T121)
List of affected products

Contact Dr. Stefan Benkhof, PPD PTC PM, Munich

Customers are asked to address inquiries directly to their sales contacts.

Product / Process Change Notification

1. ID No.: PPD16/T121		2. Date of announcement: March 17, 2017	
3. Product / product group: EPCOS PTC thermistors (Selected range, see annex)	Old ordering code: See annex	New ordering code: No change	Customer part number:
4. Description of change: In order to standardize the marking of EPCOS PTC thermistors, the reference temperature in °C will be added to the marking. The word "PTC" will be omitted to create the required space. The color of the marking will be also standardized to white for coated PTC thermistors (blue coating) and black for all uncoated PTC thermistors. The marking process itself will remain unchanged.			
5. Effect on the product or for the customer (benefit, quality, specification, lead time): No other change in the appearance, function, processability, materials or production process of the affected products. All approvals (UL, VDE, etc.) that have been valid so far will continue to be valid after the change.			
6. Quality assurance measures / risk assessment: The plant in Zhuhai, China, is certified according to ISO/TS 16949 and ISO 9001. Production release will be carried out in conformance with ISO/TS 16949. The established process steps will consequently not be changed. All quality assurance measures will be maintained.			
7. Scheduled date of change: First shipments from Zhuhai from July 1, 2017.			
8. Estimated date of first delivery of changed product: July 1, 2017 If EPCOS does not receive notification to the contrary within a period of 10 weeks, EPCOS assumes that the customer agrees to the change. For an interim period we cannot rule out that old as well as new products will be shipped.			
Quality Management Name Weiglhofer Markus		Signature signed Weiglhofer	
Product Marketing Name Stefan Benkhof Tel. +49 89 54020 2970 Email stefan.benkhof@epcos.com		Signature signed Stefan Benkhof	
Customer feedback			
Customer acknowledgement		Signature	

**Annex to UPtoDATE 170317THERM2 of March 17, 2017 /
New marking for EPCOS PTC thermistors**

Affected products

No.	Ordering code	Previous		New	
		Text of marking	Colour of marking	Text of marking	Colour of marking
1	B59008B1130A051	Logo PTC B1008	Black	B1008 Logo 130	Black
2	B59010B1120A070	Logo PTC B1010 YYWW	Black	B1010 Logo 120 YYWW	Black
3	B59053C1120B151	Logo PTC C1053 YYWW	Black	C1053 Logo 120 YYWW	White
4	B59055C1100B140	Logo PTC C1055 YYWW	Black	C1055 Logo 100 YYWW	White
5	B59062B1080A155	Logo PTC B1062 YYWW	Black	B1062 Logo 80 YYWW	Black
6	B59063C1105B151	Logo PTC C1063 YYWW	Black	C1063 Logo 105 YYWW	White
7	B59065S1120B070	Logo PTC S1065	White	S1065 Logo 120	White
8	B59065S1120B270	Logo PTC S1065	White	S1065 Logo 120	White
9	B59069S0120B062	Logo PTC S69	White	S69 Logo 120	White
10	B59070B1105B151	Logo PTC B1070	Black	B1070 Logo 105	Black
11	B59076B1120B151	Logo PTC B1076 YYWW	Black	B1076 Logo 120 YYWW	Black
12	B59076B1120B153	Logo PTC B1076 YYWW	Black	B1076 Logo 120 YYWW	Black
13	B59121B1120A070	Logo PTC B1121	Black	B1121 Logo 120	Black
14	B59130S1120A054	Logo PTC S1130 YYWW	White	S1130 Logo 120 YYWW	White
15	B59154C1130A151	Logo PTC C1154 YYWW	White	C1154 Logo 130 YYWW	White
16	B59154U1135B151	Logo PTC U1154 YYWW	White	U1154 Logo 135 YYWW	White
17	B59172C1130A151	Logo PTC C1172 YYWW	White	C1172 Logo 130 YYWW	White
18	B59173C1130A151	Logo PTC C1173 YYWW	White	C1173 Logo 130 YYWW	White
19	B59184B1120A151	Logo PTC B1184 YYWW	Black	B1184 Logo 120 YYWW	Black
20	B59184C1120B140	Logo PTC C1184 YYWW	White	C1184 Logo 120 YYWW	White
21	B59185S1120B054	Logo PTC S1185 YYWW	White	S1185 Logo 120 YYWW	White
22	B59248B1080B153	Logo PTC B1248 YYWW	Black	B1248 Logo 80 YYWW	Black
23	B59380S1120B054	Logo PTC S1380	White	S1380 Logo 120	White
24	B59451C1130A040	Logo PTC C1451 YYWW	White	C1451 Logo 130 YYWW	White
25	B59451C1130A070	Logo PTC C 1450 YYWW	White	C1451 Logo 130 YYWW	White

26	B59451C1130A170	Logo PTC C1451 YYWW	White	C1451 Logo 130 YYWW	White
27	B59451C1130B070	Logo PTC C1451 YYWW	White	C1451 Logo 130 YYWW	White
28	B59451C1130B110	Logo PTC C1451 YYWW	White	C1451 Logo 130 YYWW	White
29	B59750B0120A051	Logo PTC B 750 YYWW	Black	B750 Logo 120 YYWW	Black
30	B59750B0120A070	Logo PTC B 750 YYWW	Black	B750 Logo 120 YYWW	Black
31	B59750B0120B054	Logo PTC B750 YYWW	Black	B750 Logo 120 YYWW	Black
32	B59750C0120A070	Logo PTC C750 YYWW	Black	C750 Logo 120 YYWW	White
33	B59750C0120B051	Logo PTC C 750 YYWW	Black	C750 Logo 120 YYWW	White
34	B59751B0120A040	Logo PTC B 751 YYWW	Black	B751 Logo 120 YYWW	Black
35	B59751B0120A051	Logo PTC B 751 YYWW	Black	B751 Logo 120 YYWW	Black
36	B59751B0120A070	Logo PTC B 751 YYWW	Black	B751 Logo 120 YYWW	Black
37	B59751B0120B070	Logo PTC B 751 YYWW	Black	B751 Logo 120 YYWW	Black
38	B59751C0120A070	Logo PTC C 751 YYWW	Black	C751 Logo 120 YYWW	White
39	B59751U0120A040	Logo PTC U 751 YYWW	White	U751 Logo 120 YYWW	White
40	B59752B0120A051	Logo PTC B 752 YYWW	Black	B752 Logo 120 YYWW	Black
41	B59752B0120A070	Logo PTC B 752 YYWW	Black	B752 Logo 120 YYWW	Black
42	B59753B0120A040	Logo PTC B 753 YYWW	Black	B753 Logo 120 YYWW	Black
43	B59753B0120A051	Logo PTC B 753 YYWW	Black	B753 Logo 120 YYWW	Black
44	B59753B0120A070	Logo PTC B 753 YYWW	Black	B753 Logo 120 YYWW	Black
45	B59754B0120A051	Logo PTC B 754 YYWW	Black	B754 Logo 120 YYWW	Black
46	B59754B0120A070	Logo PTC B 754 YYWW	Black	B754 Logo 120 YYWW	Black
47	B59755B0115A051	Logo PTC B 755 YYWW	Black	B755 Logo 115 YYWW	Black
48	B59755B0115A070	Logo PTC B 755 YYWW	Black	B755 Logo 115 YYWW	Black
49	B59755C0115A070	Logo PTC C755 YYWW	White	C755 Logo 115 YYWW	White
50	B59758B0110A070	Logo PTC B758 YYWW	Black	B758 Logo 110 YYWW	Black
51	B59758B0110A071	Logo PTC B758 YYWW	Black	B758 Logo 110 YYWW	Black
52	B59758C0110A070	Logo PTC C758 YYWW	White	C758 Logo 110 YYWW	White
53	B59771B0120A070	Logo PTC B 771 YYWW	Black	B771 Logo 120 YYWW	Black
54	B59772B0120A051	Logo PTC B 772 YYWW	Black	B772 Logo 120 YYWW	Black
55	B59772B0120A070	Logo PTC B 772 YYWW	Black	B772 Logo 120 YYWW	Black
56	B59773B0120A051	Logo PTC B 773 YYWW	Black	B773 Logo 120 YYWW	Black
57	B59773B0120A070	Logo PTC B 773 YYWW	Black	B773 Logo 120 YYWW	Black
58	B59774B0115A070	Logo PTC B 774 YYWW	Black	B774 Logo 115 YYWW	Black

59	B59810C0120A070	Logo PTC C 810 YYWW	White	C810 Logo 120 YYWW	White
60	B59810C0160A070	Logo PTC C 810 YYWW	yellow	C810 Logo 160 YYWW	White
61	B59811C0135A070	Logo PTC C 811 YYWW	White	C811 Logo 135 YYWW	White
62	B59831C0135A070	Logo PTC C 831 YYWW	White	C831 Logo 135 YYWW	White
63	B59840C0080A054	Logo PTC C840 YYWW	Black	C840 Logo 80 YYWW	White
64	B59840C0160A051	Logo PTC C840 YYWW	yellow	C840 Logo 160 YYWW	White
65	B59841C0135A040	Logo PTC C 841 YYWW	White	C841 Logo 135 YYWW	White
66	B59841C0135A070	Logo PTC C 841 YYWW	White	C841 Logo 135 YYWW	White
67	B59850C0120A570	Logo PTC C 850 JJ-KW	White	C850 Logo 120 JJ-KW	White
68	B59860C0120A554	Logo PTC C 860 JJ-KW	White	C860 Logo 120 JJ-KW	White
69	B59860C0120A570	Logo PTC C 860 JJ-KW	White	C860 Logo 120 JJ-KW	White
70	B59873C0120A570	Logo PTC C 873 JJ-KW	White	C873 Logo 120 JJ-KW	White
71	B59875C0120A570	Logo PTC C 875 JJ-KW	White	C875 Logo 120 JJ-KW	White
72	B59880C0120A570	Logo PTC C 880 JJ-KW	White	C880 Logo 120 JJ-KW	White
73	B59883C0120A570	Logo PTC C 883 JJ-KW	White	C883 Logo 120 JJ-KW	White
74	B59910C0120A070	Logo PTC C 910 YYWW	White	C910 Logo 120 YYWW	White
75	B59910C0160A070	Logo PTC C 910 YYWW	yellow	C910 Logo 160 YYWW	White
76	B59915C0120A070	Logo PTC C 915 YYWW	White	C915 Logo 120 YYWW	White
77	B59930C0160A051	Logo PTC C 930 YYWW	White	C930 Logo 160 YYWW	White
78	B59930C0160A070	Logo PTC C 930 YYWW	White	C930 Logo 160 YYWW	White
79	B59935C0120A051	Logo PTC C 935 YYWW	White	C935 Logo 120 YYWW	White
80	B59935C0120A070	Logo PTC C 935 YYWW	White	C935 Logo 120 YYWW	White
81	B59945C0120A070	Logo PTC C 945 YYWW	White	C945 Logo 120 YYWW	White
82	B59950C0080A051	Logo PTC C 950 YYWW	Black	C950 Logo 80 YYWW	White
83	B59950C0120A070	Logo PTC C 950 YYWW	White	C950 Logo 120 YYWW	White
84	B59960C0120A051	Logo PTC C 960 YYWW	White	C965 Logo 120 YYWW	White
85	B59965C0120A070	Logo PTC C 965 YYWW	White	C965 Logo 120 YYWW	White

"YYWW" represents the 4-digit date code with two digits for the calendar week and two digits for the year.

140 V / 265 V

C 1*50

S 14*1

Applications

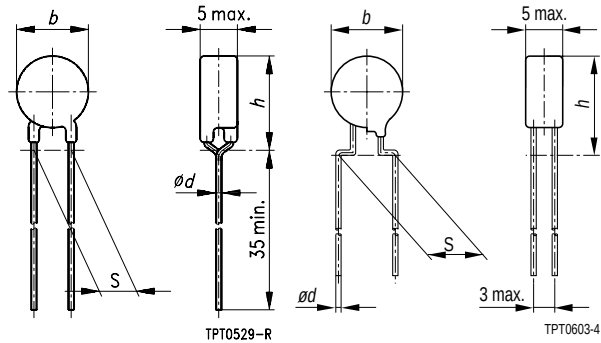
- Degaussing of picture tubes

Features

- Coated thermistor disk
- Marked with manufacturer's logo and type designation
- Low residual current
- Stable performance throughout a large number of switching cycles

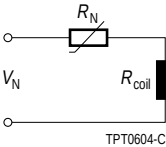
Options

- Also available on tape



Dimensions (mm)

Type	b_{max}	S_{max}	$\varnothing d$	h_{max}
C 1250	13,5	5,0	0,6	17,0
C 1450	15,0	5,0	0,6	19,0
C 1650	17,5	5,0	0,6	21,0
S 1451	15,0	10,0	0,6	22,0
S 1461	15,0	10,0	0,6	22,0
S 1481	15,0	10,0	0,6	22,0



Operating temperature range ($V = 0$)	T_{op}	-25/+125	°C
($V = V_N$)	T_{op}	0/60	°C

Type	$I_{in/coil}$ (0 s)	$I_{r/coil}$ (180 s) ($V = V_N$, $25\text{ °C} \leq T_{op} \leq 60\text{ °C}$)	R_N Ω	R_{coil} Ω	Ordering code
	A_{pp}	mA_{pp}			
$V_{max} = 140\text{ V}_{rms}$; $V_N = 120\text{ V}_{rms}$					
C 1650	≥ 24	≤ 40	5	8,5	B59650-C1050-B70
S 1481	≥ 25	≤ 40	8	3,5	B59481-S1050-B10
$V_{max} = 265\text{ V}_{rms}$; $V_N = 230\text{ V}_{rms}$					
C 1450	≥ 20	≤ 25	18	12	B59450-C1080-B70
S 1451	≥ 18	≤ 25	18	12	B59451-S1080-B10
S 1461	≥ 16	≤ 25	20	15	B59461-S1080-B10
C 1250	≥ 11	≤ 20	25	25	B59250-C1080-B70