

May 22, 2015

Product change

Lead-free glass passivation for EPCOS SMD NTC thermistors

By end of 2015 all EPCOS SMD NTC thermistors now manufactured with solderable Ni-barrier terminations will be produced with a new standardized lead-free glass passivation. This technology is already being used for EPCOS SMD varistors and some EPCOS SMD NTC thermistors with tight tolerances. The change of the entire portfolio of SMD NTC thermistors to the new technology standard enables increasing quality requirements to be fulfilled and the production process to be optimized further. Products are qualified to the requirements of AEC-Q200 among others. In addition, customers will benefit from reduced delivery times, lead-free parts and a green production technology.

All specified properties of the affected SMD NTC thermistors remain unchanged.

To permit clear distinction and tracking, the suffix V09 will be added to the ordering codes. The labels on the packaging and the shipping documents will then bear an 18-digit number, e.g. B57331V2472J060V09.

For customers, the 15-digit ordering code, e.g. B57331V2472J060, and the ordering process remain unchanged.

Samples of SMD NTC thermistors with the new glass passivation are already available.

Affected products

All EPCOS SMD NTC thermistors with Ni-barrier termination according to the attached list.

Planned introduction

The conversion will take place starting September 1, 2015.

Enclosure PCN (ID No. PD 01/T120)
List of affected products

Contact Volker Wischnat, PPD ML PM, Deutschlandsberg

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

EPCOS AG · A TDK Group Company

Office: St.-Martin-Strasse 53, 81669 Munich · Post: P.O.Box 80 17 09, 81617 Munich, Germany

Headquarters: Munich · Commercial register of the local court (Amtsgericht): Munich HRB 127250

Chairman of the Supervisory Board: Dr. Werner Faber

Management Board: Joachim Zichlarz, Chairman · Joachim Thiele · Dr. Norbert Hess · Christian Block

www.epcos.com

Thermistors, Sensors
Internal / External

150522THERM1e

Product / Process Change Notification

1. ID No.: PD 01/T120		2. Date of announcement: May 22, 2015	
3. Product / product group: EPCOS SMD thermistors / SMD NTC	Old ordering code: See attached list	New ordering code: See attached list	Customer part number:
4. Description of change: <p>By end of 2015 all EPCOS SMD NTC thermistors now manufactured with solderable Ni-barrier terminations will be produced with a new standardized lead-free glass passivation. This technology is already being used for EPCOS SMD varistors and some EPCOS SMD NTC thermistors with tight tolerances.</p> <p>The change of the entire portfolio of SMD NTC thermistors to the new technology standard enables increasing quality requirements to be fulfilled and the production process to be optimized further. Products are qualified to the requirements of AEC-Q200 among others. In addition, customers will benefit from reduced delivery times, lead-free parts and a green production technology.</p> <p>All specified properties of the affected SMD NTC thermistors remain unchanged. To permit clear distinction and tracking, the suffix V09 will be added to the ordering codes. The labels on the packaging and the shipping documents will then bear an 18-digit number, e.g. B57331V2472J060V09.</p> <p>For customers, the 15-digit ordering code, e.g. B57331V2472J060, and the ordering process remain unchanged.</p> <p>Samples of SMD NTC thermistors with the new glass passivation are already available.</p>			
5. Effect on the product or for the customer (benefit, quality, specification, lead time): The specified properties of the SMD NTC thermistors remain unchanged.			
6. Quality assurance measures / risk assessment: The release procedure is according to ISO/TS 16949.			
7. Scheduled date of change: Sept. 2015 to Dec. 2015			
8. Estimated date of first delivery of changed product: September 1, 2015 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 M. Weiglhofer		Signature signed Weiglhofer	
Product Marketing Name Volker Wischnat Tel. +43 3462 800 2459 Email volker.wischnat@epcos.com		Signature signed Wischnat	
Customer feedback			
Customer acknowledgement		Signature	

**Annex to UPtoDATE 150522THERM1 and PCN PD 01/T120 of May 22, 2015 /
Lead-free glass passivation for EPCOS SMD NTC thermistors**

Affected products

Current ordering code	Description	New ordering code
B57221V2103*060	0402 10K B-4000	B57221V2103*060V09
B57221V2332*060	0402 3K3 B-4000	B57221V2332*060V09
B57221V2472*060	0402 4K7 B-4000	B57221V2472*060V09
B57221V2473*060	0402 47K B-4000	B57221V2473*060V09
B57251V5103*260	0402 10K B-4000	B57251V5103*260V09
B57251V5103*060	0402 10K B-4000	B57251V5103*060V09
B57251V5472*070	0402 4K7 B-4000	B57251V5472*070V09
B57251V5472*060	0402 4K7 B-4000	B57251V5472*060V09
B57261V2223*060	0402 22K B-4575	B57261V2223*060V09
B57261V2333*060	0402 33K B-4575	B57261V2333*060V09
B57301V2103*060	0603 10K B-3650	B57301V2103*060V09
B57301V2472*060	0603 4K7 B-3650	B57301V2472*060V09
B57321V2102*060	0603 1K B-4000	B57321V2102*060V09
B57321V2103*060	0603 10K B-4000	B57321V2103*060V09
B57321V2222*060	0603 2K2 B-4000	B57321V2222*060V09
B57321V2223*060	0603 22K B-4000	B57321V2223*060V09
B57321V2473*060	0603 47K B-4000	B57321V2473*060V09
B57323V2473*070	0603 47K B-4000	B57323V2473*070V09
B57324V2103*060	0603 10K B-4000	B57324V2103*060V09
B57331V2103*060	0603 10K B-4500	B57331V2103*060V09
B57331V2104*060	0603 100K B-4500	B57331V2104*060V09
B57331V2223*060	0603 22K B-4500	B57331V2223*060V09
B57331V2472*060	0603 4K7 B-4500	B57331V2472*060V09
B57331V2473*060	0603 47K B-4500	B57331V2473*060V09
B57331V2682*060	0603 6K8 B-4500	B57331V2682*060V09
B57331V2683*060	0603 68K B-4500	B57331V2683*060V09
B57331V5103*360	0603 10K B-3455	B57331V5103*360V09
B57342V5103*060	0603 10K B-3650	B57342V5103*060V09
B57351V2103*060	0603 10K B-3460	B57351V2103*060V09
B57351V5103*060	0603 10K B-4000	B57351V5103*060V09
B57351V5103*360	0603 10K B-4000	B57351V5103*360V09
B57351V5223*060	0603 22K B-4000	B57351V5223*060V09
B57351V5473*270	0603 47K B-4000	B57351V5473*270V09
B57352V2103*060	0603 10K B-3460	B57352V2103*060V09
B57352V5103*060	0603 10K B-4480	B57352V5103*060V09
B57352V5104*360	0603 100K B-4480	B57352V5104*360V09
B57352V5104*060	0603 100K B-4480	B57352V5104*060V09

Current ordering code	Description	New ordering code
B57352V5223*060	0603 22K B-4480	B57352V5223*060V09
B57352V5473*060	0603 47K B-4480	B57352V5473*060V09
B57354V2103A260	0603 10K B-3460	B57354V2103A260V09
B57354V2103A460	0603 10K B-3460	B57354V2103A460V09
B57354V2103*060	0603 10K B-3460	B57354V2103*060V09
B57371V2103*060	0603 10K B-4480	B57371V2103*060V09
B57371V2104*060	0603 100K B-4480	B57371V2104*060V09
B57371V2223*060	0603 22K B-4480	B57371V2223*060V09
B57371V2473*060	0603 47K B-4480	B57371V2473*060V09
B57371V2474A160	0603 470K B-4480	B57371V2474A160V09
B57371V2474*060	0603 470K B-4480	B57371V2474*060V09
B57371V2682*060	0603 6K8 B-4480	B57371V2682*060V09
B57371V2683*060	0603 68K B-4480	B57371V2683*060V09
B57374V2104*060	0603 100K B-4480	B57374V2104*060V09
B57401V2103*062	0805 10K B-3650	B57401V2103*062V09
B57401V2472*062	0805 4K7 B-3650	B57401V2472*062V09
B57421V2102*062	0805 1K B-4000	B57421V2102*062V09
B57421V2103A562	0805 10K B-4000	B57421V2103A562V09
B57421V2103*062	0805 10K B-4000	B57421V2103*062V09
B57421V2103*072	0805 10K B-4000	B57421V2103*072V09
B57421V2152*062	0805 1K5 B-4000	B57421V2152*062V09
B57421V2153*062	0805 15K B-4000	B57421V2153*062V09
B57421V2222*062	0805 2K2 B-4000	B57421V2222*062V09
B57421V2223*062	0805 22K B-4000	B57421V2223*062V09
B57421V2332*062	0805 3K3 B-4000	B57421V2332*062V09
B57421V2333*062	0805 33K B-4000	B57421V2333*062V09
B57421V2473*062	0805 47K B-4000	B57421V2473*062V09
B57423V2473*062	0805 47K B-4000	B57423V2473*062V09
B57431V2103*062	0805 10K B-4500	B57431V2103*062V09
B57431V2103*162	0805 10K B-4500	B57431V2103*162V09
B57431V2104*062	0805 100K B-4500	B57431V2104*062V09
B57431V2223*062	0805 22K B-4500	B57431V2223*062V09
B57431V2333*062	0805 33K B-4500	B57431V2333*062V09
B57431V2472*062	0805 4K7 B-4500	B57431V2472*062V09
B57431V2473*062	0805 47K B-4500	B57431V2473*062V09
B57431V2474*062	0805 470K B-4500	B57431V2474*062V09
B57431V2682*062	0805 6K8 B-4500	B57431V2682*062V09
B57431V2684*062	0805 680K B-4500	B57431V2684*062V09
B57442V5103A062	0805 10K B-3650	B57442V5103A062V09
B57442V5103*062	0805 10K B-3650	B57442V5103*062V09
B57442V5472*062	0805 4K7 B-3650	B57442V5472*062V09
B57451V5103A162	0805 10K B-4000	B57451V5103A162V09
B57451V5103A262	0805 10K B-4000	B57451V5103A262V09

Current ordering code	Description	New ordering code
B57451V5103*362	0805 10K B-4000	B57451V5103*362V09
B57451V5103*062	0805 10K B-4000	B57451V5103*062V09
B57451V5223*062	0805 22K B-4000	B57451V5223*062V09
B57451V5333*062	0805 33K B-4000	B57451V5333*062V09
B57451V5473*062	0805 47K B-4000	B57451V5473*062V09
B57452V5103*062	0805 10K B-4480	B57452V5103*062V09
B57452V5104*062	0805 100K B-4480	B57452V5104*062V09
B57452V5472*062	0805 4K7 B-4480	B57452V5472*062V09
B57471V2103*062	0805 10K B-4480	B57471V2103*062V09
B57471V2104*062	0805 100K B-4480	B57471V2104*062V09
B57471V2223*062	0805 22K B-4480	B57471V2223*062V09
B57471V2333*062	0805 33K B-4480	B57471V2333*062V09
B57471V2472*062	0805 4K7 B-4480	B57471V2472*062V09
B57471V2473*062	0805 47K B-4480	B57471V2473*062V09
B57471V2474*062	0805 470K B-4480	B57471V2474*062V09
B57471V2682*062	0805 6K8 B-4480	B57471V2682*062V09
B57471V2684*062	0805 680K B-4480	B57471V2684*062V09
B57471V5103*062	0805 10K B-4480	B57471V5103*062V09
B57619C2103*060	0603 10K B-3650	B57619C2103*060V09
B57619C2103*062	0603 10K B-3650	B57619C2103*062V09
B57619C5103*060	0603 10K B-3530	B57619C5103*060V09
B57619C5103*070	0603 10K B-3530	B57619C5103*070V09
B57620C2103A162	0805 10K B-4000	B57620C2103A162V09
B57620C2103A272	0805 10K B-3650	B57620C2103A272V09
B57620C2103*062	0805 10K B-3650	B57620C2103*062V09
B57620C2103*072	0805 10K B-3650	B57620C2103*072V09
B57620C2223A162	0805 22K B-4000	B57620C2223A162V09
B57620C2223*062	0805 22K B-4000	B57620C2223*062V09
B57620C2472A262	0805 4K7 B-3650	B57620C2472A262V09
B57620C2472*062	0805 4K7 B-3650	B57620C2472*062V09
B57620C2473*062	0805 47K B-4000	B57620C2473*062V09
B57620C5102*062	0805 1K B-3450	B57620C5102*062V09
B57620C5103*062	0805 10K B-3730	B57620C5103*062V09
B57620C5153*062	0805 15K B-3900	B57620C5153*062V09
B57620C5223*062	0805 22K B-3980	B57620C5223*062V09
B57621C5102*062	1206 1K B-3450	B57621C5102*062V09
B57621C5103A262	1206 10K B-3530K	B57621C5103A262V09
B57621C5103A362	1206 10K B-3530K	B57621C5103A362V09
B57621C5103A462	1206 10K B-3530K	B57621C5103A462V09
B57621C5103*062	1206 10K B-3530K	B57621C5103*062V09
B57621C5103*072	1206 10K B-3530K	B57621C5103*072V09
B57621C5153*062	1206 15K B-3560	B57621C5153*062V09
B57621C5472*062	1206 4K7 B-3520	B57621C5472*062V09