

June 19, 2015

Product change

New potting material for EPCOS NTC thermistor series K45

A new potting material is being introduced for the K45 series of EPCOS NTC thermistors. As a result, the color of the potting material will change from clear to white. This change does not affect the product design, quality, specification or delivery time of the affected NTC thermistors.

Affected products

Ordering code	Ordering code
B57045K0102K*	B57045K0223K*
B57045K0103A001	B57045K0333K*
B57045K0103J*	B57045K0471K*
B57045K0103K*	B57045K0472J*
B57045K0104K*	B57045K0472K
B57045K0153J*	B57045K0473K*
B57045K0153K*	B57045K0474K002
B57045K0154K*	B57045K0682K*
B57045K0222K*	B57045K0682K002
B57045K0223A001	B57045K0683K*

Scheduled date of introduction: September 19, 2015
after completion of internal qualification, which begins
CW 36, earlier is possible if released by the customer

See annex for product qualification plan and timetable.
The release in production is conducted according to ISO/TS 16949.
Samples are available two weeks after order.

Enclosure PCN (ID No. T120/019)
Product qualification plan and timetable

Contact Thomas Taubert, BLN SEN NTC PM, Berlin

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

Product / Process Change Notification

1. ID No.: T120/019		2. Date of announcement: June 19, 2015	
3. Product / product group: EPCOS NTC K45	Old ordering code: B57045K*	New ordering code: No change	Customer part number:
4. Description of change: The introduction of a new potting material is necessary due to the discontinuation of the potting material currently used. Supplier already stopped production.			
5. Effect on the product or for the customer (benefit, quality, specification, lead time): No effects on product design, quality, specification and delivery time. The visible difference is the color of the potting material which changes from clear to white.			
6. Quality assurance measures / risk assessment: See annex for product qualification plan and timetable. Release for production according to ISO/TS 16949. Lot by lot process controls via IPQC and QA outgoing inspection according to control plan will be performed in the same way as for the running types.			
7. Scheduled date of change: September 19, 2015			
8. Estimated date of first delivery of changed product: September 19, 2015, Samples available two weeks after customer order. Expected production release in CW 36. 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 Dr Philipp Schmidt-Weber		Signature signed Weber	
Product Marketing Name Thomas Taubert Tel. +49 30 68291 512 Email thomas.taubert@epcos.com		Signature signed Taubert	
Customer feedback			
Customer acknowledgement		Signature	

PRODUCT QUALIFICATION PLAN AND TIMETABLE

Project number : T120-0014
Objective : Change of potting material used in B57045K0102K*, B57045K0222K*, B57045K0472K*, B57045K0103K*, B57045K0333K*, B57045K0473K*, B57045K0104K*, B57045K0154K* type

No.	Type of testing	Test conditions	Start	Finish
1	Storage in dry heat	Temperature : 125 °C; Duration : 1000 h. Measurement at : 0 hour, 500 hours and 1000 hours.	CW 22	CW 32
2	Storage in damp heat, steady state	Temperature of air : 40 °C, Relative humidity of air : 93 %, Duration : 56 days. Measurement at : 0 day, 28 days and 56 days.	CW 22	CW 32
3	Rapid temperature cycling	Lower test temperature : -55 °C (dwell time : 10 min.); Upper test temperature : 125 °C (dwell time : 10 min.); Time to change from lower to upper temperature : < 30 sec.; Number of cycles : 100; Medium : Air	CW 22	CW 32
4	Insulation resistance	Metallic ball bath Ø 1 mm 500 VDC at ambient temperature with max. relative humidity 75%	CW 22	CW 22
5	Voltage proof of insulation	Metallic ball bath Ø 1 mm 2500 VAC, 0.2 mA, 1 s. at ambient temperature with max. relative humidity 75%	CW 22	CW 22
6	Endurance Test	Voltage : 30 VDC; Current : 15 mA; Max. Power rating at 25°C : 450 mW; Duration : 1000 hours	CW 24	CW 34
7	Long-term stability test (Empirical Value)	Temperature : 120°C; Time : 2000 hours	CW 24	CW 36