

December 3, 2010

## Notification of changes

### **Elimination of dibutyl phthalate in boxed film capacitors according REACH**

The boxed film capacitor series B32\* and B81\* manufactured in Málaga, Spain, and Nashik, India, currently contain dibutyl phthalate [CAS # 84-74-2; EC # 201-557-4] in a maximum concentration of 1.9 % by weight. By using an equivalent resin with similar characteristics, all EPCOS film capacitors manufactured after April 1, 2011 will be dibutyl phthalate free.

This product change will have no effect on the component specification or the reliability values. Ordering codes and labels of the capacitors will remain unchanged.

Background: Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals [1] (REACH for short) has been in force since June 1, 2007. Producers, importers and other suppliers of articles containing Substances of Very High Concern (SVHC) included in the candidate list according to article 59 (1, 10) of the REACH Regulation in a concentration above 0.1 % by weight must provide the information that is available to them.

EPCOS is taking every effort to discontinue the use of this SVHC as early as possible. The current status can be found at [www.epcos.com/reach](http://www.epcos.com/reach).

#### **Enclosure** Notification of changes (PCN)

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**Customers should kindly address inquiries directly to their sales contacts.**



**Product / Process Change Notification  
Produkt-/ Prozess-Änderungsmitteilung**

<b>1. ID No. / ID-Nr.:</b> 600134		<b>2. Date of announcement / Datum der Ankündigung:</b> December 3, 2010	
<b>3. Type / Produktgruppe:</b> Boxed film capacitors / Gebecherte Folien- Kondensatoren	<b>Old ordering code / Alte Bestell-Nr.:</b> B32*, B81*	<b>New ordering code / Neue Bestell-Nr.:</b> No change / Keine Änderung	<b>Customer part number / Kundensachnummer:</b>
<b>4. Description of change / Beschreibung der Änderung:</b> Avoid the usage of dibutyl phthalate [CAS # 84-74-2; EC # 201-557-4] in the resin of boxed film capacitors. / Verzicht auf Dibutyl-Phthalate [CAS # 84-74-2; EC # 201-557-4] im Harz von gebecherten Folien-Kondensatoren.			
<b>5. Effect on the product or for customers (quality, specification, lead time) / Auswirkung auf das Produkt oder für den Kunden (Qualität, Spezifikation, Lieferzeiten):</b> No Substance of Very High Concern (SVHC) included in the "candidate list" according to article 59 (1, 10) of the REACH Regulation will be present in boxed film capacitors in a concentration above 0.1 %. This product change will have no effect on the component specification or the reliability values. / Gebecherte Folien-Kondensatoren werden künftig keine besonders Besorgnis erregenden Stoffe gemäß REACH Kandidatenliste (Artikel 59 1, 10) in einer Konzentration von über 0,1 % haben. Diese Produktänderung hat keine Auswirkungen auf die Spezifikation oder die Zuverlässigkeit der betroffenen Bauelemente.			
<b>6. Quality assurance measures / Maßnahmen zur Qualitätssicherung:</b> Endurance tests for temperature, humidity and dielectric strength have been performed with positive results. / Ausdauertests bzgl. Temperatur-, Feuchtigkeits- und Spannungsfestigkeit wurden positiv abgeschlossen.			
<b>7. Scheduled date of introduction / Geplante Einführung:</b> April 1, 2011			
<b>8. Customer feedback / Rückmeldung vom Kunden:</b> 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. Falls EPCOS innerhalb von 10 Wochen keine gegenteilige Mitteilung erhält, geht EPCOS davon aus, dass die geplante Änderung vom Kunden akzeptiert ist. Innerhalb einer Übergangszeit kann es vorkommen, dass sowohl alte wie auch neue Ware geliefert wird.			
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Customer acknowledgement Bestätigung durch den Kunden		Signature	