

February 20, 2009

Notification of changes

Center electrodes for 3-electrode arresters from our own production

To further increase the reliability of deliveries EPCOS has internally released and qualified the production of center electrodes for 3-electrode arresters at its plant in Johor Bahru, Malaysia. This means that from the end of May 2009, EPCOS will obtain these center electrodes from its own plant as well as from Chinese suppliers. Its own electrodes will be used in parallel to the current ones.

The base material of the electrodes is unchanged. The specified electrical and mechanical properties will be unaffected by this change. The product specification defined in the data sheet as well as their form, fit and function remain unchanged and do not deviate from current production.

Enclosure Notification of changes (PCN)
Overview affected products

Contact Michael Bluhm, KB AB JB QM, Johor Bahru

Customers should address inquiries directly to their EPCOS sales contacts.



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

1. ID No. / ID-Nr.: KB 09/07		2. Date of announcement / Datum der Ankündigung: 20.02.2009	
3. Type / Produktgruppe: 3-electrode arresters (see annex)/ 3-Elektroden-Ableiter (siehe Anlage)	Old ordering code / Alte Bestell-Nr.: See annex/ Siehe Anlage	New ordering code / Neue Bestell-Nr.: No change/ keine Änderung	Customer part number / Kundensachnummer:
4. Description of change / Beschreibung der Änderung: <p>We are currently using center electrodes of 3-electrode arresters supplied by Chinese vendors. The production of these electrodes has now additionally been internally approved and qualified at our EPCOS factory in Johor Bahru, Malaysia. We will start using center electrodes from our own production in parallel to the currently used ones. The base material, the interior electrode coating material as well as all the dimensional and electrical aspects of the parts remain unchanged./</p> <p>Zur Zeit bezieht EPCOS Mittel-Elektroden von 3-Elektroden-Ableitern von chinesischen Lieferanten. Nun haben wir zusätzlich die Produktion der Mittel-Elektroden auch in unserem EPCOS-Werk in Johor Bahru/ Malaysia intern freigegeben und qualifiziert. Wir werden diese Elektroden parallel zu den aktuell verwendeten einsetzen. Das Material der Elektroden ist unverändert. Die Abmessungen, die Form und die äussere Beschichtung der Bauelemente bleiben unverändert.</p>			
5. Effect on the product or for customers (quality, specification, lead time) / Auswirkung auf das Produkt oder für den Kunden (Qualität, Spezifikation, Lieferzeiten): <p>The specified electrical and mechanical characteristics will not be affected by these changes. The product specification defined in the data sheet, as well as the form, fit and function will be fulfilled and do not deviate from the current production./</p> <p>Die spezifizierten elektrischen und mechanischen Eigenschaften werden durch diese Veränderungen nicht beeinflusst. Die im Datenblatt festgelegten Werte wie auch die Gestalt, Passform und Funktion bleiben bestehen und weichen nicht von der aktuellen Fertigung ab.</p>			
6. Quality assurance measures / Maßnahmen zur Qualitätssicherung: <p>The qualification took place in accordance with our internal green-light quality procedure. The investigations for internal release showed no effects on the electrical and mechanical characteristics as a consequence of the change described in item 4. The established control plans will consequently not be changed. All quality assurance measures are maintained./</p> <p>Die Qualifikation erfolgte nach unseren internen Freigaberichtlinien. Die Untersuchungen zur internen Freigabe zeigten keine Einflüsse auf die elektrischen und mechanischen Eigenschaften als Ergebnis der in Abschnitt 4 beschriebenen Maßnahmen. Die eingeführten Prüfpläne wurden nicht verändert. Alle Qualitätssicherungsmaßnahmen werden weitergeführt.</p>			
7. Scheduled date of introduction / Geplante Einführung: May 22, 2009 / 22.05.2009			
8. Customer feedback / Rückmeldung vom Kunden: <p>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.</p> <p>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.</p>			
Quality Management: Name: Dr. W. Pint		Signature sgd. Dr. Pint	



Product Marketing:

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E-mail: michael.fluege@epcos.com

Name: Michael Fluege

Signature

sgd. Fluege

Customer acknowledgement

Bestätigung durch den Kunden

Signature



Electronic Parts and Components

**Annex of UPtoDATE 090220AB1 and PCN KB 09/07 of February 22, 2009 /
Center electrodes for 3-electrode arresters from our own production**

Affected products

Type	Ordering Code
TC23-A90XF1	B88069X7551B502
TC21-A260XF1	B88069X7561B252
TC2N-A260XF1	B88069X7531B502
T2N-A90XF1	B88069X7101B502
T23-A90X	B88069X8650B502
T22-A90XF1	B88069X6521B502
T23-C200XF4	B88069X8590B502
T20-C225XC	B88069X7840B502
T20-A230X	B88069X8710C203
T20-A230X	B88069X8710C252
T20-A230XF	B88069X8720B502
T20-A230XFP	B88069X8080B502
T20-A230XSMDN	B88069X3651T502
T20-A250XFP	B88069X8760B502
T20-C230X	B88069X8700C203
T20-C230XR	B88069X8940B502
T20-C230XC	B88069X5681T502
T21-C230XC	B88069X6930B202
T21-A230X	B88069X8920B252
T21-A230XF1	B88069X7540B202
T21-A230XF4	B88069X2391B252
T21-A230XPH	B88069X9300B252
T21-A230XSF4	B88069X5291B252
T22-A230X	B88069X4591B502
T22-A230X2	B88069X2791B502
T22-A230XF1	B88069X4601B502
T22-A230XCF1	B88069X4071B502
T22-A230XCH	B88069X7880B102
T23-A230X	B88069X8740B102
T23-A230X	B88069X8740B502
T23-A230XF1	B88069X8680B502
T23-A230XF4	B88069X7011B502
T23-A230XF4	B88069X8750B502
T23-A230XC	B88069X9330B502
T23-A230XCF1	B88069X9440B502
T23-A230XCF4	B88069X7150B502
T23-A230XF7	B88069X3551B502
T23-A230XFR	B88069X7220B502
T23-A230XPH	B88069X6220B502
T23-A230XS	B88069X6500B502
T23-A230XSF1	B88069X6490B502
T22-A230XH	B88069X7991B502



Electronic Parts and Components

T23-C230XC	B88069X9510B502
T23-C230XK	B88069X7030B502
T23-C230XF1	B88069X4250B502
T23-C230XCF1	B88069X3621B502
T23-C230XAF1	B88069X3891B502
T23-C230XKF1	B88069X8110B502
T23-C230XKRF1	B88069X8150B502
T23L-A230XF4	B88069X3571B502
T23B-C350X	B88069X5341B252
T24-A230XF6	B88069X8730B502
T25-A230X	B88069X9290B502
T25-A230XF1	B88069X8630B402
T25-A230XF1	B88069X8630B502
T25-A230XF4	B88069X9150B502
T25-A230XFR	B88069X7630B502
T25-C230XCF4	B88069X7740B502
T26-A230XF4	B88069X2781B502
T28-C230XCFN	B88069X6250B502
T25-C230XFR	B88069X7640B502
T25-C230XK	B88069X7040B502
T27-A230X	B88069X7790B502
T27-A230XF1L	B88069X5880B502
T27-A230XS	B88069X9860B502
T2N-A250XF1	B88069X7111B502
T22-A250XF4	B88069X8780B502
T22-A250XFR	B88069X7650B502
T20-A250X	B88069X8810C203
T21-A250XSF4	B88069X6571B252
T23-A250X	B88069X8840B502
T23-C250XF1	B88069X5530B502
T23-C250XF1	B88069X5500B502
T23-A250XF1	B88069X9810B502
T23-A250XF4	B88069X8860B502
T23-A250XF7	B88069X6231B502
T25-A250X	B88069X7050B502
T20-A250X1FP	B88069X8010B502
T20-A250XFP	B88069X8760B502
T27-A250XF1L	B88069X7720B102
T27-A250XF1L	B88069X7720B202
T23-A260XPF4	B88069X4191B502
T20-A260X	B88069X7110C203
T23-A260X	B88069X9790B502
T23-A260XF4	B88069X9370B502
T23-A260XF1	B88069X4871B502
T23-A260XCF4	B88069X5051B502
T2S-A260XF4	B88069X9320B102
T20-A350XF	B88069X7320C203
T20-A350XF	B88069X2381B502
T21-A350X	B88069X5120B252



Electronic Parts and Components

T23-A350XF1	B88069X7240B502
T23-A350XF4	B88069X7000B502
T23-A350XCF4	B88069X8100B502
T23-A350X	B88069X7200B502
T23-A350X*	B88069X4531B502
T23-A350XC	B88069X7190B502
T25-A350X	B88069X7750B502
T25-A350XF1	B88069X9730B502
T25-A350XF4	B88069X7780B502
T23-C350X	B88069X7200B502
T23-C350XS	B88069X8160B502
T25-C350XS	B88069X9750B502
T27-A350XS	B88069X9870B502
T27-A350XF1	B88069X6960B502
T29-A350X	B88069X4161B502
T2B-A350XF1	B88069X3741B502
T2C-C350X	B88069X6351B502
T2C-C350X	B88069X6831B502
T2C-C350X	B88069X7861B502
T2ES-A350X	B88069X4260B502
T2N-C350XS	B88069X9540B502
T20-C350XSMDN	B88069X5581T502
T27-A400XS	B88069X8071B502
T23-A400XF4	B88069X5471B502
T20-A420X	B88069X7820C203
T20-A420X	B88069X7100C230
T20-A420XF	B88069X7580B502
T23-A420X	B88069X8070B502
T23-A420X	B88069X3611B502
T23-A420X*	B88069X4541B502
T23-A420XF4	B88069X7140B502
T23-A420XF4	B88069X9900B502
T23-A420XCF4	B88069X5101B502
T23-C420X	B88069X4101B502
T25-A420X	B88069X7670B502
T25-A420XD	B88069X4881B502
T25-C420XF4	B88069X5561B502
T27-A420X	B88069X3521B502
T23-A450XF4	B88069X4901B502
T23-C470X	B88069X4921B502
T25-C470XD	B88069X5301B502
T23-C500XS	B88069X5160B502
T21-C500X	B88069X5050B202
T23-C600X	B88069X8120B502
T27-A600XS	B88069X8081B502
T27-A700XPH	B88069X4701B502
T21-A700XPH	B88069X9700B502
T27-A900X	B88069X5671B502
T2P-A900X	B88069X7781B502



Electronic Parts and Components

T83-A75X	B88069X7401B502
T80-A90X	B88069X8360C203
T80-A90XD	B88069X5631C203
T80-A90XD	B88069X5631T502
T80-A90XF	B88069X6281B502
T80-A90XF	B88069X2391B502
T80-A90XSMDN	B88069X5930T502
T81-A90X	B88069X8440B202
T83-A90X	B88069X8300B502
T83-A90X TII	B88069X6330B502
T83-A90XF1	B88069X8430B502
T83-A90XF4	B88069X8350B502
T87-A90X	B88069X5870B502
T88-A90XSMD	B88069X8330T302
T88-A90XSMDA	B88069X4031T302
T88-A90XSMDN	B88069X4451T302
T81-A150X	B88069X9580B202
T83-A150X	B88069X9590B502
T83-A150XF1	B88069X9930B502
T88-A150XSMD	B88069X9840T302
T80-A230X	B88069X9380C203
T80-A230XF	B88069X8380B502
T80-A230XFP	B88069X8220B502
T81-A230X	B88069X8470B252
T81-A230XF4	B88069X9680B252
T82-A230XF1	B88069X1670B502
T82-A230XF4	B88069X8270B502
T83-A230X	B88069X8910B502
T83-A230X	B88069X9620B252
T83-A230XF1	B88069X9420B502
T83-A230XF4	B88069X5821B502
T83-A230XF4	B88069X8870B502
T83-A230XSF4	B88069X5140B502
T83L-A230XF4	B88069X3561B502
T84-A230XF6	B88069X8520B502
T85-A230XF1	B88069X9720B502
T85-A230XF4	B88069X9260B502
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T88-A230XSMD	B88069X9920T302
T88-A230XSMDA	B88069X4041T302
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T80-A250X	B88069X8170C203
T80-A250XF	B88069X8230B502
T80-A250XFP	B88069X8190B502
T80-A250XSMDN	B88069X3501T502
T83-A250X	B88069X8340B502
T83-A250XF4	B88069X8990B502
T80-A260X	B88069X7431C203
T83-A260X	B88069X2710B502



Electronic Parts and Components

T83-A260XF4	B88069X8250B502
T83-A260XL	B88069X6050B502
T85-A260XF4	B88069X9270B502
T8T-A260XL	B88069X5371B152
T81-A300X	B88069X9000B202
T83-A300X	B88069X7990B502
T83-A300X	B88069X9020B502
T80-A350X	B88069X8500C203
T80-A350XF	B88069X8390B502
T80-A350XFP	B88069X9360B502
T80-A350XSMDN	B88069X5940T502
T81-A350X	B88069X9190B252
T83-A350X	B88069X8690B502
T83-A350XF1	B88069X9410B502
T83-A350XF4	B88069X9120B502
T83-A350XF4B	B88069X6261B502
T85-A350XF1	B88069X2420B502
T85-A350XF4	B88069X9230B502
T87-A350X	B88069X8850B502
T87-A350X	B88069X8980B502
T8NE-A350X	B88069X8320B502
T89-A350XF1	B88069X3921B502
T80-A420X	B88069X7910C203
T80-A420X	B88069X8370B502
T80-A420XFP	B88069X9910B502
T83-A420X	B88069X7960B502
T83-A420XF4	B88069X7970B502
T83S-C420X	B88069X7001B502
T85-A420X	B88069X6991B502
T83-A450X	B88069X5950B502
T83-A500XF4	B88069X3771B502
T80M-A600X	B88069X6970C203
T83-C600X	B88069X7890B502
T83-C600X	B88069X8530B502
T87-C600X	B88069X8550B502
T87-C600X	B88069X9070B502
TC80-A230XF	B88069X5801B502
TC83-A230XF1	B88069X5611B502
TC83-A230XF1	B88069X6921B502
TC83-A400XF1	B88069X6171B502
TC85-A230XF1	B88069X6621B502
TC85-A230XF7	B88069X6841B502
T30-A90X	B88069X3030C253
T30-A90XG	B88069X3120T702
T30-A90XG	B88069X2430T702
T33-A90X	B88069X2271B502
T31-A90X	B88069X2261B252
T36-A90X	B88069X3701B502
T30-A230X	B88069X3060C253



Electronic Parts and Components

T30-A230XG	B88069X3010T702
T30-A230X	B88069X1700C253
T30-A230X	B88069X6100T702
T30-A230XF	B88069X5490B502
T30-A230XF	B88069X5490T702
T30-A230XC	B88069X3650C253
T31-A230X	B88069X3130B252
T31-A230X	B88069X3130B102
T32-A230X	B88069X3280B502
T32-A230XF1R	B88069X9560B502
T33-A230X	B88069X9800B502
T33-A230XL	B88069X7831B502
T33-A230XF1	B88069X9550B502
T33-C230XCF1	B88069X5750B502
T35-A230X	B88069X3080B502
T35-A230XS	B88069X2611B502
T36-A230X	B88069X3721B502
T38-A230XF4A	B88069X4060B502
T38-A230XF9	B88069X2760B502
T3D-A230XF1	B88069X6460B502
T30-A230XFSMD	B88069X4771B502
T30-A230XFSMD	B88069X4771T702
T307-A230X	B88069X3550C253
T3S-A230XF1	B88069X9890B502
T30-A250X	B88069X3951C253
T33-A250XF1	B88069X3971B502
T3C-A250XCF9	B88069X1460B502
T3C-A250XF9	B88069X1310B502
T33-A250XCF1	B88069X5450B502
T30-A260X	B88069X3020C253
T35-A260X	B88069X9610B502
T30-A350X	B88069X3180C253
T30-A350XSMD	B88069X7921C253
T31-A350X	B88069X3090B502
T31-A350X	B88069X3090B252
T32-A350XF1R	B88069X5850B502
T33-A350X	B88069X1470B502
T35-A350X	B88069X3110B502
T36-A350X	B88069X3731B502
T30-A350XG	B88069X2450T702
T30-A420X	B88069X3040C253
T3K-A420X	B88069X3240B502
T30-A420X	B88069X6110T702
T30-A420XG	B88069X3050T702
T30-A420XSMD	B88069X4961C253
T30-A420XSMD	B88069X4961T702
T32-A420X	B88069X4471B502
T30-A500X	B88069X3070C203
T30-H11XSMD	B88069X7931T702



Electronic Parts and Components

TC30-A230XFSMD	B88069X7291T702
TC30-A230XFSMD	B88069X7521T702
TC33-A260XF1	B88069X6791B502
TC3S-A230XF1	B88069X6801B502
T90-A90X	B88069X5470C253
A400 S0 90 01 00	B88069X3101C103
T90-A90XG	B88069X5860T902
T90-A90XSMD	B88069X2331T902
T90-A90XFSMD	B88069X4051T902
T90-A170XFSMD	B88069X5910T902
T90-A230X	B88069X6700C253
T90-A230XG	B88069X6660T103
T90-A230XF	B88069X6710C253
T90-A230XF	B88069X6710C102
T90-A230XF	B88069X5861C502
T90-A230XSMD	B88069X6680T902
T90-A230XFSMD	B88069X6690T902
T90-A350X	B88069X5480C253
A400 S0 350 01 00	B88069X3121C103
T90-A350XF	B88069X3740C253
T90-A350XSMD	B88069X4030T902
T90-A420XSMD	B88069X7041T902
T90-A420XSMD	B88069X2670T902