

March 26, 2010

Notification of changes
New tools for RM clamps and the EF16 yoke

EPCOS constantly strives to improve product quality and service. In this connection we are introducing new tools in China for the RM clamps and the EF16 yoke listed below. Additionally, we modified the design of certain types of RM clamps, unifying the material thickness and thus improving the availability of the raw material. The clamping force is slightly reduced, but remains within the bandwidth specified in the data book.

Affected types:

Type	Old ordering code	Old material thickness	New ordering code	New material thickness
RM5 clamp	B65806A2203X000	0.335 mm	B65806B2203X000	0.3 mm
RM6 clamp	B65808A2203X000	0.435 mm	B65808B2203X000	0.4 mm
RM10 clamp	B65814A2203X000	0.45 mm	B65814B2203X000	0.4 mm
RM12 clamp	B65816A2002X000	0.45 mm	B65816A2002X000V01	No change
RM7 clamp	B65820B2001X000	0.4 mm	B65820B2001X000V01	No change
RM8 clamp	B65812A2203X000	0.4 mm	B65812A2203X000V02	No change
EF16 yoke	B66308A2010X000	0.2 mm	B66308A2010X000V01	No change

Deadline for last orders **June 28, 2010**
 Last shipments by **October 28, 2010**

Enclosure Notification of Changes (PCN)
 Data sheets

Contact Sandra Wiesnet, MAG TF F PM, Munich

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



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

1. ID No. / ID-Nr.: FER 10.002		2. Date of announcement / Datum der Ankündigung: Mar. 26, 2010	
3. Type / Produktgruppe:	Old ordering code / Alte Bestell-Nr.:	New ordering code / Neue Bestell-Nr.:	Customer part number / Kundensachnummer:
RM5 clamp	B65806A2203X000	B65806B2203X000	
RM6 clamp	B65808A2203X000	B65808B2203X000	
RM10 clamp	B65814A2203X000	B65814B2203X000	
RM12 clamp	B65816A2002X000	B65816A2002X000V01	
RM7 clamp	B65820B2001X000	B65820B2001X000V01	
RM8 clamp	B65812A2203X000	B65812A2203X000V02	
EF16 yoke	B66308A2010X000	B66308A2010X000V01	
4. Description of change / Beschreibung der Änderung:			
Introduction of new tools in China for the above-mentioned RM clamps and the EF16 yoke. Change in material thickness for certain types of RM clamps. / Aufbau und Freigabe neuer Serienwerkzeuge für obige RM-Klammern und EF-Bügel. Änderung der Materialdicke bei ausgewählten Klammern.			
5. Effect on the product or for customers (quality, specification, lead time) / Auswirkung auf das Produkt oder für den Kunden (Qualität, Spezifikation, Lieferzeiten):			
The change of the material thickness has a marginal impact on stiffness and clamping force. The clamping force is still within the tolerances specified in the data book. The clamping force comparison test for clamps produced with an old and new material thickness was performed. The results are available on request. / Die Änderung der Materialdicke hat einen geringfügigen Einfluss auf die Steifigkeit und Klammerkraft. Die Klammerkraft ist weiterhin innerhalb der im Datenbuch spezifizierten Werte. Vergleichsmessungen zwischen den Klammern mit der bisherigen und der neuen Materialdicke wurden durchgeführt. Die Ergebnisse sind auf Anfrage verfügbar.			
6. Quality assurance measures / Maßnahmen zur Qualitätssicherung:			
Šumperk Quality Assurance is responsible for both products. The same rules and methods for quality assurance are used. The information on the labels of the packaging indicate the change. / Die Qualitätssicherung von Šumperk ist für beide Produkte zuständig. Es werden die gleichen Regeln und Methoden zur Qualitätssicherung wie bisher angewandt. Eine Unterscheidung der beiden Produkte erfolgt über die Angaben auf dem Etikett der Produktverpackung.			
7. Scheduled date of introduction / Geplante Einführung: Last order: June 28, 2010. After this date and the delivery of the existing stock, only parts from the new tool will be delivered. / Letzte Bestellmöglichkeit: 28. Juni 2010. Danach werden wir nach Auslieferung vorhandener Lagerbestände zukünftig nur noch Bügel aus dem neuen Werkzeug zur Auslieferung bringen.			
8. Customer feedback / Rückmeldung vom Kunden:			
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.			
Quality Management:		Signature	
Name: J.Vančura		sgd.	



Product Marketing:

Tel: +49 89 636-42739

Fax: +49 89 636-22198

E-mail: sandra.wiesnet@epcos.com

Name: Sandra Wiesnet

Signature

sgd.

Customer acknowledgement

Bestätigung durch den Kunden

Signature



Ferrite accessories

Clamp RM5

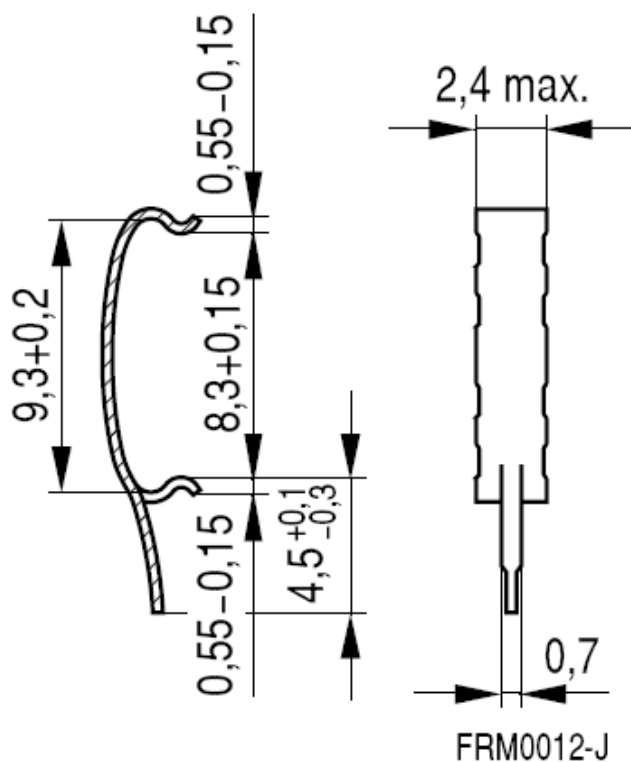
Series/Type:	RM 5
Ordering code:	B65806B2203X000
Date:	2010-03-19
Version:	1

Preliminary data
Clamp

Material:

Stainless spring steel (tinned) ; thickness 0,3 mm

	Ordering code
Clamp (ordering code per piece, 2 are required)	B65806B2203X000



Preliminary data

Cautions and warnings**Mechanical stress and mounting**

Ferrite cores have to meet mechanical requirements during assembly and for a growing number of applications. Since ferrites are ceramic materials one has to be aware of their special behavior under mechanical load.

Just like any ceramic material, ferrite cores are brittle and sensitive to any shock, fast changing or tensile load. Especially fast cooling rates under ultrasonic cleaning, high static and cyclic loads can cause cracks or failure of the ferrite cores.

For detailed information see Data Book 2007, chapter "General – Definitions, 8.1".

Effects of core combination on AL value

Stresses in the core affect not only the mechanical but also the magnetic properties. It is apparent that the initial permeability is dependent on the stress state of the core. The higher the stresses are in the core, the lower the value for the initial permeability. Thus, the embedding medium should offer the greatest possible elasticity.

For detailed information see Data Book 2007, chapter "General – Definitions, 8.2".

Heating up

Ferrites can run hot during operation at higher flux densities and higher frequencies.

NiZn-materials

The magnetic properties of NiZn-materials can change irreversibly when exposed to strong magnetic fields.

Processing notes

- The start of the winding process should be soft. Otherwise, the flanges may be destroyed.
- Excessive winding forces may damage the flanges or squeeze the tube so that the cores can no longer be mounted.
- Excessive soldering time at high temperature (>300 °C) may affect coplanarity or pin arrangement.
- Not following the processing notes for soldering of the J-leg terminals may cause solderability problems at the transformer because of contamination with tin oxide (SnO) from the tin bath or burned insulation from the wire. For detailed information see Data Book 2007, chapter "Processing notes, 2.2".

The dimensions of the pin hole arrangement are fixed and should be understood as an ideal recommendation for drilling the printed circuit board. In order to avoid problems when mounting the transformer, customers should make allowances for manufacturing tolerances in the drilling and pick-and-place processes by increasing the diameter of the pin holes

Important notes

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3. **The warnings, cautions and product-specific notes must be observed.**
4. In order to satisfy certain technical requirements, **some of the products described in this publication may contain substances subject to restrictions in certain jurisdictions (e.g. because they are classed as hazardous)**. Useful information on this will be found in our Material Data Sheets on the Internet (www.epcos.com/material). Should you have any more detailed questions, please contact our sales offices.
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Ferrite accessories

Clamp RM6

Series/Type:	RM 6
Ordering code:	B65808B2203X000
Date:	2010-03-19
Version:	1

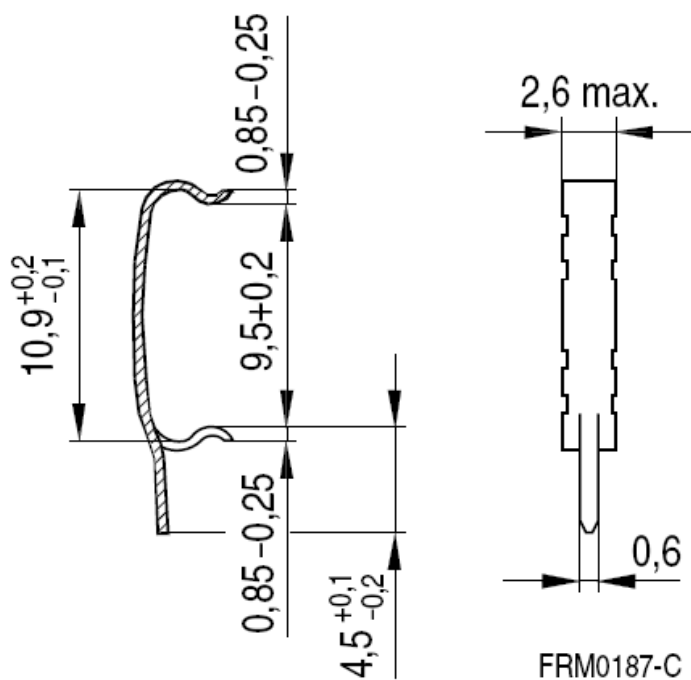
Preliminary data

Clamp

Material:

Stainless spring steel (tinned); thickness 0,4 mm

	Ordering code
Clamp (ordering code per piece, 2 are required)	B65808B2203X000



Preliminary data

Cautions and warnings**Mechanical stress and mounting**

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For detailed information see Data Book 2007, chapter "General – Definitions, 8.1".

Effects of core combination on AL value

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For detailed information see Data Book 2007, chapter "General – Definitions, 8.2".

Heating up

Ferrites can run hot during operation at higher flux densities and higher frequencies.

NiZn-materials

The magnetic properties of NiZn-materials can change irreversibly when exposed to strong magnetic fields.

Processing notes

- The start of the winding process should be soft. Otherwise, the flanges may be destroyed.
- Excessive winding forces may damage the flanges or squeeze the tube so that the cores can no longer be mounted.
- Excessive soldering time at high temperature (>300 °C) may affect coplanarity or pin arrangement.
- Not following the processing notes for soldering of the J-leg terminals may cause solderability problems at the transformer because of contamination with tin oxide (SnO) from the tin bath or burned insulation from the wire. For detailed information see Data Book 2007, chapter "Processing notes, 2.2".

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Ferrite accessories

Clamp RM10

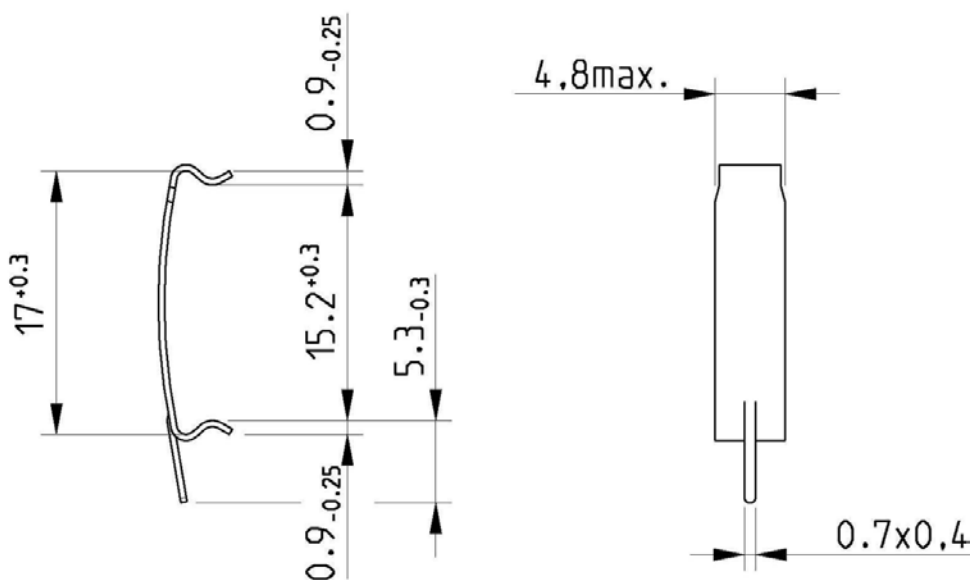
Series/Type:	RM 10
Ordering code:	B65814B2203X000
Date:	2010-02-22
Version:	1

Preliminary data
Clamp

Material:

Stainless spring steel (tinned); thickness 0,4 mm

	Ordering code
Clamp (ordering code per piece, 2 are required)	B65814B2203X000



Preliminary data

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Heating up

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NiZn-materials

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Processing notes

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Ferrite accessories

Clamp RM12

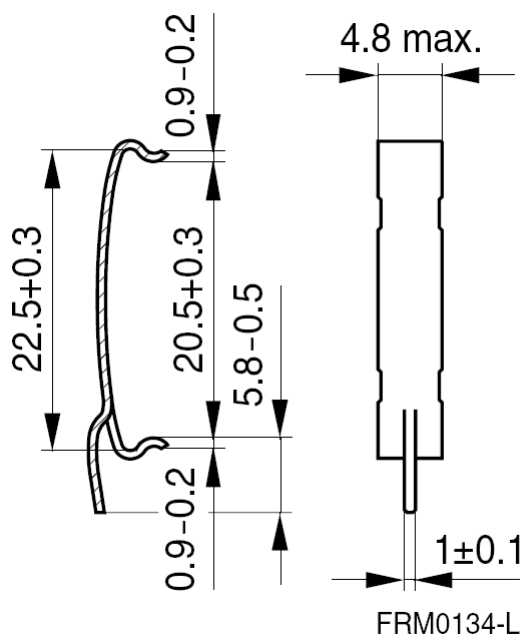
Series/Type:	RM 12
Ordering code:	B65816B2002X000
Date:	2010-03-19
Version:	1

Preliminary data
Clamp

Material:

Stainless spring steel (tinned); thickness 0,4 mm

	Ordering code
Clamp (ordering code per piece, 2 are required)	B65816B2002X000



Preliminary data

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Heating up

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Processing notes

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