



## Product Change Notification

Machida, 27 February 2013

**PCN n°: PCN-016\_2013\_0-OMTM13022603**

### **Reference capacitor change HX models**

Based on the JEDEC JESD46-B standard

Dear customer,

To answer to continuous market requirement for improved performances, and in a permanent effort to improve the quality of its products, LEM intends to proceed to some modifications on **HX models**.  
This letter is to notify you about our planned procedure to handle this change.

#### **Concerned products:**

**HX 02-P; HX 02-P/SP30;  
HX 03-P; HX 03-P/SP14; HX 03-P/SP2; HX 03-P/SP30; HX 03-P/SP6;  
HX 04-P; HX 04-P/SP30;  
HX 05-NP; HX 05-NP/SP3;  
HX 05-P; HX 05-P/SP2; HX 05-P/SP30;  
HX 06-P; HX 06-P/SP30;  
HX 07-P; HX 07-P/SP30;  
HX 10-NP; HX 10-NP/SP3;  
HX 10-P; HX 10-P/SP13; HX 10-P/SP2; HX 10-P/SP30;  
HX 12-P; HX 12-P/SP30; HX 12-P/SP31; HX 12.5-P/SP31;  
HX 15-NP; HX 15-NP/SP3;  
HX 15-P; HX 15-P/SP13; HX 15-P/SP2; HX 15-P/SP30; HX 15-P/SP31;  
HX 17-P/SP30; HX 18-P; HX 18-P/SP30;  
HX 20-P; HX 20-P/SP2; HX 20-P/SP30; HX 20-P/SP31;  
HX 24-P/SP33;  
HX 25-P; HX 25-P/SP13; HX 25-P/SP14;  
HX 25-P/SP2; HX 25-P/SP30; HX 25-P/SP7;  
HX 31-P/SP33; HX 39-P/SP33; HX 47-P/SP33;  
HX 50-P; HX 50-P/SP13; HX 50-P/SP14; HX 50-P/SP2;  
HX 50-P/SP30; HX 50-P/SP31; HX 50-P/SP9;  
HX 60-P**

**Change:****➤ Description of the technical change:**

Reference capacitor change.

There is no change on electrical characteristics, quality, reliability and dimensions.

**➤ Reason of the technical change:**

Obsolescence of the current capacitor

**A file showing the reference changes is available in annex.**

**Impact on the product:**

- ☐ On the form: NO
- ☐ On the fit: NO
- ☐ On the function: NO
- ☐ On the reliability: NO

**Schedule of the modification:**

Start of delivery of modified products	01 <sup>st</sup> April 2013
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Sincerely yours,

Stéphane ROLLIER

Product Manager

Type	Murata Mfg. P/N ( current )	Murata Mfg. P/N ( new )
HX12.5-P/SP31	GRM1553C1H3R0CZ01D/ROHS	GRM1553C1H3R0CA01D
HX20-P/SP31		
HX12-P/SP31		
HX15-P/SP31		
HX50-P/SP31	GRM1552C1H7R0DZ01D/ROHS	GRM1552C1H7R0DA01D
HX03-P	GRM1552C1H5R0CZ01D/ROHS	GRM1552C1H5R0CA01D
HX05-P		
HX10-P		
HX15-P		
HX20-P		
HX25-P		
HX07-P		
HX12-P		
HX18-P		
HX02-P		
HX04-P		
HX06-P		
HX50-P		
HX60-P		
HX03-P/SP2		
HX05-P/SP2		
HX10-P/SP2		
HX15-P/SP2		
HX20-P/SP2		
HX25-P/SP2		
HX50-P/SP2		
HX05-NP		
HX10-NP		
HX15-NP		

Type	Murata Mfg. P/N ( current )	Murata Mfg. P/N ( new )
HX03-P/SP30	GRM1552C1H5R0CZ01D/ROHS	GRM1552C1H5R0CA01D
HX05-P/SP30		
HX10-P/SP30		
HX15-P/SP30		
HX20-P/SP30		
HX25-P/SP30		
HX07-P/SP30		
HX12-P/SP30		
HX18-P/SP30		
HX02-P/SP30		
HX04-P/SP30		
HX06-P/SP30		
HX50-P/SP30		
HX17-P/SP30		
HX03-P/SP6		
HX25-P/SP7		
HX50-P/SP9		
HX10-P/SP13		
HX15-P/SP13		
HX25-P/SP13		
HX50-P/SP13		
HX03-P/SP14		
HX25-P/SP14		
HX50-P/SP14		
HX05-NP/SP3	GRM1552C1H390JZ01D/ROHS	GRM1552C1H390JA01D
HX10-NP/SP3		
HX15-NP/SP3		
HX24-P/SP33	GRM1552C1H8R0DZ01D/ROHS	GRM1552C1H8R0DA01D
HX31-P/SP33		
HX39-P/SP33		
HX47-P/SP33		