



BC0018-COG-1109

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Thursday, 12 November 2009

Dear Customer,

Subject: **Lead (Pb) Free Dielectric Material Notification**

As part of Syfer's environmental commitment to continuously develop materials that are more environmentally friendly, Syfer is pleased to announce that the ongoing material development process has qualified an additional COG dielectric material that is Lead (Pb) free.

Combined with the existing lead free dielectric and termination materials currently used by Syfer, the new Lead free COG development ensures that all surface mount capacitors manufactured by Syfer Technology Ltd will comply with the Oko Institute RoHS directive update proposals. For information:

- (a) the current RoHS directive includes exemption 7c which permits Lead in electronic ceramic parts.
- (b) if the Oko proposals are approved by the European Parliament, then the RoHS Directive will be updated to define that Lead in capacitor dielectric materials will be prohibited from use within capacitors rated <250Vdc from 31st December 2012.

The lead free developments conducted by Syfer Technology Ltd include a comprehensive qualification process including performance and reliability testing to ensure that there is no detrimental affect to the products supplied by Syfer. There is no change to component form, fit or function and there is no requirement to change customer assembly processes. Reliability data is available on request.

Syfer has started to use the new Lead free COG dielectric material for new components ranges and will also gradually phase-in the material to replace existing component ranges manufactured using dielectrics containing Lead. The technical parameters of the Lead free COG material is at least equivalent to the existing materials and, as a result of this, there will be no change to product part numbers.

For further information, please contact Syfer Sales department.

Yours sincerely,

Stephen Watts
Quality Manager

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