



Date : December 7, 2004

Our ref.: Filename

Subject : **Lead Free : Road Map updating for Arcotronics products .**

Dear colleagues,

As you now , we are approaching the dead line for the product with lead, fixed on 01 July 2006 for the final equipment (according to EU RoHS Directives).

We expect that during this year, most of our customer will adopt in advance the products in Lead Free execution, in order to avoid dead stock products after 01 July 2006.

As you know, Arcotronics has already done several activities on this matter, and in order to avoid any possible misunderstanding I will try to summarize here below the present condition and future evolution for all the products range .

The main differences compared to the road map issued one year ago, are related to the AC product (motor run and power), where we are facing more difficulties than expected, and we are forced to delay the mass production from 01 Jan to 01 April 2005 and the shipment of material 100% lead free from July 2005 to Jan 2006.

Due to the change of raw material and production cycle the motor run and SMD products (LDE-LDB) will be more expensive than present execution, and we will inform you later about the cost increase for lead free execution of each series.

Series Involved:

A50-R82-RSB-R66-R84-R60-R63

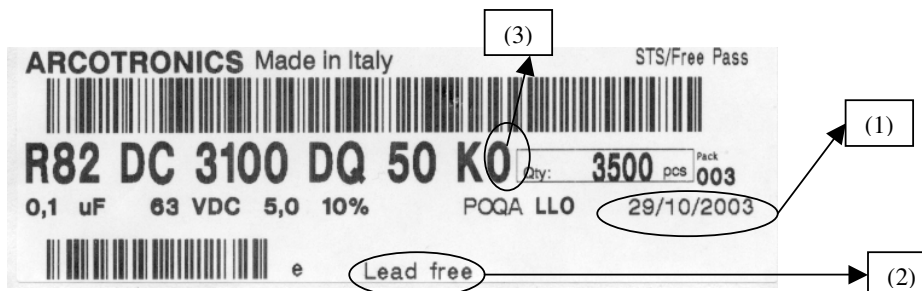
A70-R71-R73-R74-R75-R76-R77-R79

R46-R49-R41

F5A-JSN-HNS

ED#-ES#-EL#-EP#

| Date | Identification | Production | Product shipped to customer |
|-------------------|------------------------------------|------------|-----------------------------|
| Since 01 Jan 2005 | Lead free Written on the label (2) | 100% L.F | 100% L.F |



| |
|------------------|
| Series Involved: |
|------------------|

C3B-C95
C27-C87-C24
C44-C93-C97
C4A-C4B-C4D
C20
C4C-C4G-C4H-C4M

| Date | Production | Product shipped to customer | Identification |
|---|------------------|-----------------------------|---|
| UP to 30 March 2005 | Mixed | Mixed | No identification |
| Since 01 Jan 2004 (upon request) | 100 % L.F | 100 % L.F | Special code |
| Since 01 April 2005 | 100 % L.F | Mixed | Date on box label (1) Lead free Written on the label (2) |
| Since 01 Jan 2006 | 100 % L.F | 100 % L.F | Lead free Written on the label (2) |

| |
|------------------|
| Series Involved: |
|------------------|

LDB-LDE

| Date | Production | Product shipped to customer | Identification |
|--|------------------|-----------------------------|---|
| UP to 31 Dec 2005 | Mixed | Mixed | No identification |
| Since 01 Jan 2005 to 01 Jan 2006 upon request | 100 % L.F | 100 % L.F | Additional digit on the production code (3) |
| Since 01 Jan 2006 | 100 % L.F | Mixed | Date on box label (1) Lead free Written on the label (2) |
| Since 01 June 2006 | 100 % L.F | 100 % L.F | Lead free Written on the label (2) |

We will not convert on lead free execution part of the A72 series as for following table :

| Rated Voltage | Capacitance Range |
|---------------|-------------------|
| 100 Vdc | <=10000 pF |
| 250 Vdc | <=3900 pF |
| 400 Vdc | <=1500 pF |

Starting from 01 July 2006 these capacitance values will disappear from our product range.

In the new catalogue "DC film Capacitors", on page 11, you will find a note concerning the Lead Free and RoHS compliance of our DC product . Please use this part as first reply to our customer who are requiring information about RoHS.

Anyway, in case of doubts, don't hesitate to contact Product Management service for any kind of clarification.

Best Regards,
Angelo Righi