

TECHNICAL PAPER

Tantalum Division

**Product Update:
Change of LOT CODE Format**

Tantalum Division

Introduction

AVX is intending to modify the lot code format marked on each physical capacitor (where size allows) as well as on reel labels in order to maintain and strengthen batch identification and traceability. The original format has not provided an adequate variety of combinations for batch code recording due the rapid expansion in the number of batches now being produced and the introduction of many new AVX capacitor products. The new lot code regarding tantalum, polymer and niobium oxide capacitors is to be implemented from 1st April 2006. The lot code is laser marked onto the product and reel labelling and provides a unique identifier. The unique lot code identifier is exclusive to AVX and will still maintain and provide the total traceability that our customers have enjoyed previously.

Advantages of original coding

- Unique product traceability from each individual physical capacitor marking (except 0805 and 0603 case sizes as space does not allow) even without the original product reel labels.
- Identification of manufacturing records.
- Process histories, material records and manufacturing locations.

Additional advantages of improved coding

- Maintains traceability with increased numbers of lots produced.
- Improvement of anti-counterfeit measures.

Laser marking change

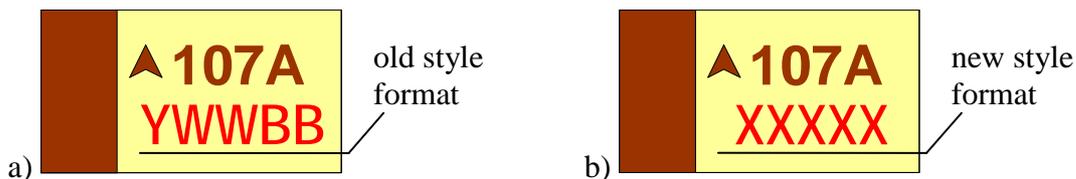


Figure: a) Old type of the date code, b) New type of the date code

Identification of reel label

The date code is marked on each reel label in four digit format (YYWW), where YY are two digits of the manufacturing year and WW are digits of week of the manufacturing (an example: 0614 is week 14 of year 2006).

We believe that this change will allow AVX to continue to deliver to our customers our capacitor products with the assurance that product traceability will be maintained uniquely for the foreseeable future.

PRODUCT CHANGE NOTIFICATION



CZECH REPUBLIC S.R.O.

A KYOCERA GROUP COMPANY

AVX TANTALUM DIVISION		Reference No.: 01/06
AVX Czech Republic s.r.o.		Issue: 1
Dvorakova 328	Tel.: +420 465358111	Date: 26.1.2006
563 01 Lanskrout	Fax.: +420 465358500	LOCATION:
Czech Republic		
CUSTOMER: All		EFFECTIVE DATE: 1 st of April 2006
PRODUCT TYPE: TAJ, TPS, THJ, TRJ, TLJ, TPM, TCJ, NOJ, NOS and NOM series with standard AVX marking.		
CUSTOMER PN's AFFECTED: <i>all P/N of given product type will be changed</i>		

CHANGE DETAILS:	
Laser marking change	
<p>a) Old type of the lot code</p>	<p>b) New type of the lot code</p>
Figure:	
REASON FOR CHANGE: <i>Maintain traceability with increased numbers of lots produced and improvement of anti-counterfeit measures.</i>	
EFFECT ON QUALITY: <i>No effect. Maintains traceability with increased numbers of lots produced.</i>	
IMPACT ON SPECIFICATION: <i>The date code will be marked on each reel label in four-digit format (YYWW), where YY are two digits of the manufacturing year and WW are digits of the manufacturing week (an example: 0614 is week 14 of year 2006).</i>	
PROPOSED VALIDATION TESTING: <i>Not required. Marking change only.</i>	
IDENTIFICATION OF CHANGED PARTS: <i>By date code</i>	
FIRST DELIVERY: <i>Scheduled from April 2006</i>	SAMPLES AVAILABILITY: <i>Not necessary. Physical marking is the same, only the interpretation of marking will change.</i>
PLANENED DATE OF CHANGE: <i>The lot code change is going to be applied from 1st April 2006 by AVX production date code.</i>	
QUALIFICATION PLAN: <i>Not applicable</i>	

AVX REPRESENTATIVE:	SIGN:
DATE: 26.1.2006	NAME: <i>Milan Coufal</i> <i>Quality Manager</i>
CUSTOMER ACCEPTANCE:	SIGN: _____
DATE: _____	NAME: _____

If no answer till 30.3.2006 then we will assume the PCN is accepted



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