



DOCUMENT CHANGE REQUEST

DCR number 810 Changes required for: General

Date: 2013/11/05

Date sent: 2013/06/21

Originator: Petra Pribanova

Organisation: AVX s.r.o Czech Republic

Status: IMPLEMENTED

Title: CAPACITORS, LEADLESS SURFACE MOUNTED, TANTALUM, SOLID ELECTROLYTE, LOW

Number: 3012/004 Issue: 1

Other documents affected:

Page:

6, 7, 8, 9, 10,18

Paragraph:

3, appendix A

Original wording:

see Deatil specification No: 3012/004

Proposed wording:

see Detail specification Npo. 3012/004 - draft version issue2

Justification:

Attachments:

2012_004_issue2_draft_version1.doc, null

Modifications:

The original DCR810 proposed wording, as contained in the attachment to the original DCR810, is deleted & replaced with the following specific change details:

1) Table 1(a):

Amend Terminal Material and Finish codes for Variants 01 to 05 as follows:

Variants 01, 02, 03: to be G16 (was G11, G11, P15 respectively)

Variants 04, 05: to be P17 (was P15)

Amend for Variant 05 the Cn, UR & ESR values, to be: 33 to 470µF; 6.3 to 35V; 30 to 65 respectively (was 10 to 470µF; 6.3 to 50V; 30 to 150 respectively)

2) Table 1(b) Note 2:

Delete "E 150" value from Note 2-Table for Cap value & Voltage: 10μF / 50V

Add new column to Note 2-Table for "12V"; Add new value "E 35" for Cap value & Voltage: 220μF / 12V

3) Table 1(b)

Add a new maximum rating as number 4 in the table (other ratings shall be renumbered accordingly); the contents of the 7 columns in the new rating shall be as follows:

4 ; Ripple Current ; Iripple ; - ; See Note 2 ; mA ; f = 100kHz, Note 3

Amend reference to "Figure 1" in Note 1 to be "Figure 1(a)".

Add new notes 2 & 3 as follows (original Note 2 shall be renumbered as Note 4) :

Note 2. Maximum Iripple, which depends on Cn and UR, shall be as follows:

Capacitance Cn (μF)	Rated Voltage UR (V)	Maximum Ripple Current Iripple (mA)
22	6.3	290
47	6.3	410
150	6.3	610
330	6.3	2700
470	6.3	3000
10	10	200
33	10	360
100	10	740
150	10	2400
220	10	2700
330	50	2800
220	12	2800
4.7	16	190
22	16	380
47	16	560
100	16	2200
150	16	2600
3.3	20	170
10	20	290
22	20	520
33	20	610
47	20	2200
100	20	2500
1	25	160
4.7	25	290
10	25	430
33	25	2000
47	25	2000
3.3	35	290
4.7	35	430
10	35	1500
22	35	1600
33	35	2000
1	50	200
3.3	50	330
4.7	50	1100

Note 3. At Tamb +25°C. For derating at Tamb > +25°C see Figure 1(b).

4) Figure 1

Figure 1 to be given additional title "Figure 1(a) - Rated Voltage vs. Ambient Temperature"

Add new Figure 1(b) as attached with title: "Figure 1(b) - Maximum Ripple Current vs. Ambient Temperature"

5) Para 4.5.3.4

Add new line to table for UR = 12V ; Code Letter = B

Approval signature:



Date signed:

2013-11-05