

POLYMER MULTI ANODE TANTALUM CAPACITOR BASED ON TCS TYPE.				366																																																														
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date																																																														
Generic ESCC 3012 Detail ESCC 3012/006	AVX Czech Republic sro Tantalum Division Lanskroun Czech Republic	Qualification	ESA	Apr 2020																																																														
Remarks:																																																																		
<p>Qualified Range:</p> <p>Variant 01. Case style E (2917). Tolerance: ± 20%.</p> <table border="1" data-bbox="400 970 1103 1348"> <thead> <tr> <th rowspan="2">Capacitance C_n</th> <th colspan="6">Rated Voltage U_R</th> </tr> <tr> <th>6.3V</th> <th>10V</th> <th>16V</th> <th>20V</th> <th>25V</th> <th>35V</th> </tr> </thead> <tbody> <tr> <td>22µF</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>50mΩ</td> </tr> <tr> <td>33µF</td> <td></td> <td></td> <td></td> <td></td> <td>50mΩ</td> <td></td> </tr> <tr> <td>68µF</td> <td></td> <td></td> <td></td> <td>25mΩ</td> <td></td> <td></td> </tr> <tr> <td>150µF</td> <td></td> <td></td> <td>20mΩ</td> <td></td> <td></td> <td></td> </tr> <tr> <td>220µF</td> <td></td> <td>15mΩ</td> <td>20mΩ</td> <td></td> <td></td> <td></td> </tr> <tr> <td>330µF</td> <td>12mΩ</td> <td>15mΩ</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>470µF</td> <td>12mΩ</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Operating Temperature Range (°C):-55 to +105</p>					Capacitance C_n	Rated Voltage U_R						6.3V	10V	16V	20V	25V	35V	22µF						50mΩ	33µF					50mΩ		68µF				25mΩ			150µF			20mΩ				220µF		15mΩ	20mΩ				330µF	12mΩ	15mΩ					470µF	12mΩ					
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European Space Agency
Agence spatiale européenne

Certificate of Qualification No. 366

This is to certify that AVX Czech Republic, Lanskrone, Czech Republic has been qualified by ESA for the supply of Capacitors, Leadless Surface Mounted, Organic Polymer Tantalum, Solid Electrolyte, Enclosed Anode Connection based on type TCS for use in ESA space programmes, according to ESCC Generic Specification 3012 and associated Detail Specification 3012/006 as recommended by the Space Components Steering Board.

This certificate is valid until April 2022.

A handwritten signature in black ink, appearing to be 'B. Schade', written over a red digital signature line.

Digitally signed by Britta
Schade
Date: 2020.04.28 10:13:17

**Head of the Product Assurance
and Safety Department**

**Date
28 April 2020**