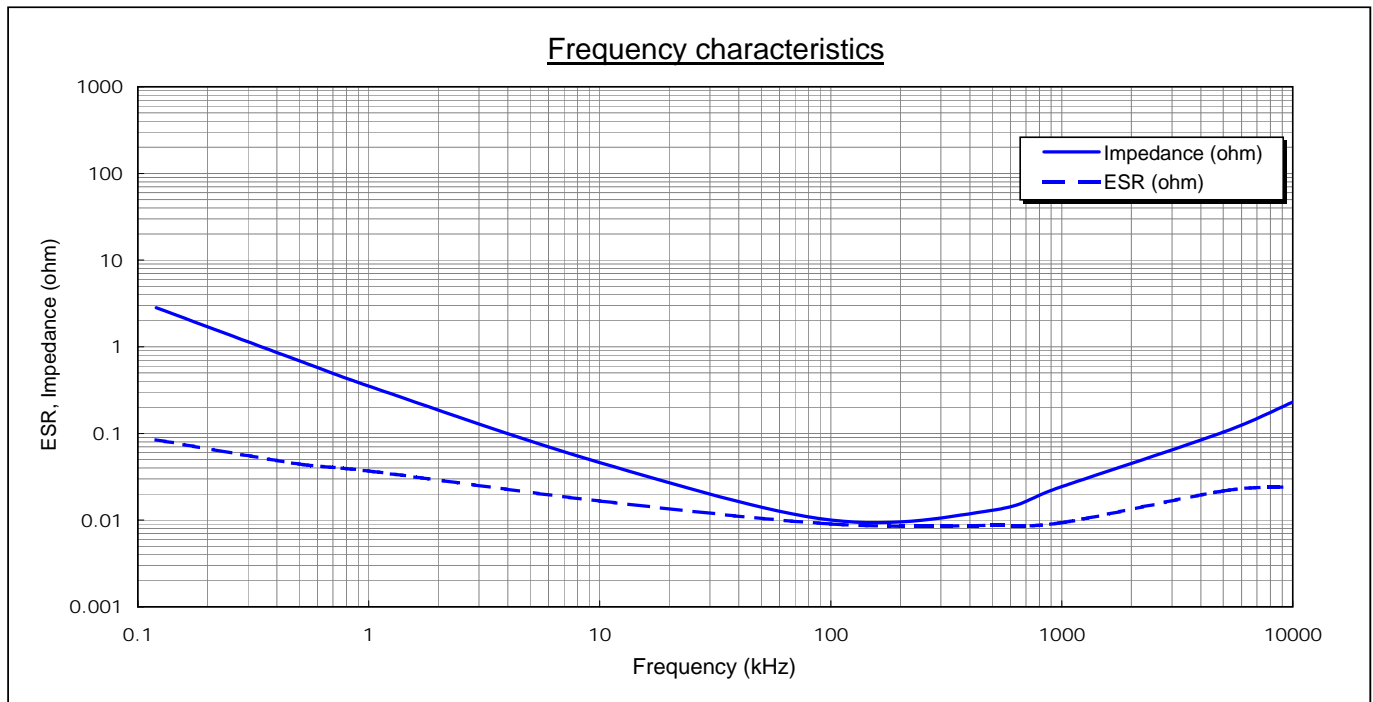


OS-CON 6SVP470M

OS-CON DATA SHEET

No.OS02N-DFSVP051

Frequency (kHz)	0.12	0.5	1	10	100	500	1000	5000	10000
Impedance (ohm)	2.824	0.691	0.353	0.046	0.010	0.013	0.024	0.103	0.230
ESR (ohm)	0.084	0.044	0.037	0.017	0.009	0.009	0.009	0.022	0.024



Measuring equipment: HP4194A  
 Test fixture: HP16047C  
 Measuring position: root of leads

OS Engineering Department, OS-CON Control Department  
 Saga SANYO Industries Co., Ltd.

n = 3p.(Ave.)  
 Room temperature

# OS-CON DATA SHEET

<b>OS-CON™</b> SVP series																									
Test item Endurance (After V.P.S test)	Test temperature 105 deg.C	Model 6SVP470M																							
	Applied voltage 6.3V	Lot No. 130106406																							
<div style="text-align: center;">                     Change in capacitance (120Hz)                 </div> <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <caption>Change in capacitance (120Hz) Data</caption> <thead> <tr> <th>Time [h]</th> <th>Average [%]</th> <th>Maximum [%]</th> <th>Minimum [%]</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2000</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Time [h]	Average [%]	Maximum [%]	Minimum [%]	0	0	0	0	2000	0	0	0	<div style="text-align: center;">                     Tangent of loss angle (120Hz)                 </div> <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <caption>Tangent of loss angle (120Hz) Data</caption> <thead> <tr> <th>Time [h]</th> <th>Average</th> <th>Maximum</th> <th>Minimum</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.045</td> <td>0.055</td> <td>0.03</td> </tr> <tr> <td>2000</td> <td>0.045</td> <td>0.055</td> <td>0.03</td> </tr> </tbody> </table>	Time [h]	Average	Maximum	Minimum	0	0.045	0.055	0.03	2000	0.045	0.055	0.03
Time [h]	Average [%]	Maximum [%]	Minimum [%]																						
0	0	0	0																						
2000	0	0	0																						
Time [h]	Average	Maximum	Minimum																						
0	0.045	0.055	0.03																						
2000	0.045	0.055	0.03																						
<div style="text-align: center;">                     ESR (100kHz)                 </div> <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <caption>ESR (100kHz) Data</caption> <thead> <tr> <th>Time [h]</th> <th>Average (mohm)</th> <th>Maximum (mohm)</th> <th>Minimum (mohm)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>12</td> <td>8</td> </tr> <tr> <td>2000</td> <td>10</td> <td>12</td> <td>8</td> </tr> </tbody> </table>	Time [h]	Average (mohm)	Maximum (mohm)	Minimum (mohm)	0	10	12	8	2000	10	12	8	<div style="text-align: center;">                     Leakage current (6.3V 60s)                 </div> <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <caption>Leakage current (6.3V 60s) Data</caption> <thead> <tr> <th>Time [h]</th> <th>Average (µA)</th> <th>Maximum (µA)</th> <th>Minimum (µA)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>100</td> <td>400</td> <td>8</td> </tr> <tr> <td>2000</td> <td>100</td> <td>400</td> <td>8</td> </tr> </tbody> </table>	Time [h]	Average (µA)	Maximum (µA)	Minimum (µA)	0	100	400	8	2000	100	400	8
Time [h]	Average (mohm)	Maximum (mohm)	Minimum (mohm)																						
0	10	12	8																						
2000	10	12	8																						
Time [h]	Average (µA)	Maximum (µA)	Minimum (µA)																						
0	100	400	8																						
2000	100	400	8																						
Note: n =30p.  V.P.S test conditions : 230deg.Cx75sx2times (V.P.S=Vapor Phase Soldering method)																									
Start on September 10, 2001	Executed by R. Kawachino																								
End on December 2, 2001	Drawn by S. Yoshino	No.OS02D-DESVP051																							
OS Engineering Department, OS-CON Control Department, Saga SANYO Industries Co., Ltd.																									

# OS-CON DATA SHEET

<b>OS-CON™</b> SVP series		
Test item Damp heat (Steady state) (After V.P.S test)	Test temperature 60 deg.C	Model 6SVP470M
	Test humidity 90% RH	Lot No. 060202471
<div style="text-align: center;">                     Change in capacitance (120Hz)                 </div>	<div style="text-align: center;">                     Tangent of loss angle (120Hz)                 </div>	
<div style="text-align: center;">                     ESR (100kHz)                 </div>	<div style="text-align: center;">                     Leakage current (6.3V 60s)                 </div>	
Note:      n =20p.  V.P.S test conditions : 230deg.Cx75sx2times (V.P.S = Vapor Phase Soldering method)		
Start on November 7, 2001	Executed by R. Kawachino	
End on December 20, 2001	Drawn by M. Kimura	No.OS02D-DHSVP051
OS Engineering Department, OS-CON Control Department, Saga SANYO Industries Co., Ltd.		

