

6.1.5 Semiconductor

CAPACITORS, MICROWAVE, SILICON, NAKED DIE, MOS, BASED ON TYPES 101M, 201M, 400M AND 401M				286G																																					
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date																																					
Generic ESCC 5010 Detail ESCC 5711/002	Exens Solutions Les Ulis France	Qualification	CNES	Dec 2008																																					
		Remarks:																																							
Qualified range:																																									
All variants defined by the ESCC Detail Specification																																									
<table><tr><th>Type</th><th>Capacitance Range (pF)</th><th>U_R(V)</th></tr><tr><td>400M106A & C</td><td>8.2, 10, 12, 15</td><td rowspan="5">40</td></tr><tr><td>400M10xA & 107C</td><td>18, 22, 27, 33, 39</td></tr><tr><td>400M108A & C</td><td>47, 56, 68</td></tr><tr><td>400M110A & C</td><td>81, 100</td></tr><tr><td>400M113J & 114J</td><td>10</td></tr><tr><td>101M106A & C</td><td>3.9, 4.7, 5.6, 6.8</td><td rowspan="3">100</td></tr><tr><td>101M10xA & 107C</td><td>10, 12, 15</td></tr><tr><td>101M108A & C</td><td>22, 27, 33, 39</td></tr><tr><td>201M106C</td><td>2.2, 2.7, 3.3</td><td rowspan="5">200</td></tr><tr><td>201M106A</td><td>0.1X (201M106C, -107C, -108C) + 210M106C</td></tr><tr><td>201M10xA & 107C</td><td>3.9, 4.7, 5.6, 6.8, 8.2</td></tr><tr><td>201M108A & C</td><td>10, 12, 15, 18</td></tr><tr><td>201M111J & 112J</td><td>0.25 & 0.4</td></tr><tr><td>401M111J</td><td>0.125</td><td rowspan="2">400</td></tr><tr><td>401M112J</td><td>0.2</td></tr></table>					Type	Capacitance Range (pF)	U _R (V)	400M106A & C	8.2, 10, 12, 15	40	400M10xA & 107C	18, 22, 27, 33, 39	400M108A & C	47, 56, 68	400M110A & C	81, 100	400M113J & 114J	10	101M106A & C	3.9, 4.7, 5.6, 6.8	100	101M10xA & 107C	10, 12, 15	101M108A & C	22, 27, 33, 39	201M106C	2.2, 2.7, 3.3	200	201M106A	0.1X (201M106C, -107C, -108C) + 210M106C	201M10xA & 107C	3.9, 4.7, 5.6, 6.8, 8.2	201M108A & C	10, 12, 15, 18	201M111J & 112J	0.25 & 0.4	401M111J	0.125	400	401M112J	0.2
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401M111J	0.125	400																																							
401M112J	0.2																																								
Operating Temperature Range, (°C): -55 to +150																																									

6.4.4 RF/Microwave, Varactors

DIODES, MICROWAVE, SILICON, MULTIPLIER AND PIN, BASED ON TYPES DH2XX and EH2XX, DH50XXX and EH50XXX, DH76XXX and EH76XXX				225K																																																																											
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date																																																																											
Generic ESCC 5010 Detail ESCC	Exens Solutions Les Ulis France	Qualification	CNES	Jun 1995																																																																											
		Remarks Certificate 259C has been merged with this certificate in February 2012. Certificate 273F has been merged with this certificate in September 2019.																																																																													
5513/031, 5513/032, 5513/033, 5513/034, 5513/036, 5513/037, 5513/038, 5512/016, 5512/023																																																																															
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<table><tr><th>ESCC Spec N°.</th><th>Variants</th><th>Component type</th></tr><tr><td>5513/031</td><td>01 to 49</td><td>DH50151 to DH50157</td></tr><tr><td>5513/031</td><td>57 to 63</td><td>EH50151 to EH50157</td></tr><tr><td>5513/032</td><td>01 to 35</td><td>DH50033 to DH50037</td></tr><tr><td>5513/032</td><td>41 to 45</td><td>EH50033 to EH50037</td></tr><tr><td>5513/033</td><td>01 to 49, 56, 63</td><td>DH50201 to DH50209</td></tr><tr><td>5513/033</td><td>71 to 79</td><td>EH50201 to EH50209</td></tr><tr><td>5513/034</td><td>01 to 36</td><td>DH50251 to DH50256</td></tr><tr><td>5513/034</td><td>42 to 47</td><td>EH50251 to EH50256</td></tr><tr><td>5513/036</td><td>01 to 42</td><td>DH50052 to DH50057</td></tr><tr><td>5513/036</td><td>49 to 54</td><td>EH50052 to EH50057</td></tr><tr><td>5513/037</td><td>01 to 49</td><td>DH50071 to DH50077</td></tr><tr><td>5513/037</td><td>57 to 63</td><td>EH50071 to EH50077</td></tr><tr><td>5513/038</td><td>01 to 49</td><td>DH50101 to DH50107</td></tr><tr><td>5513/038</td><td>57 to 63</td><td>EH50101 to EH50107</td></tr><tr><td>5512/016</td><td>10 to 16</td><td>DH267</td></tr><tr><td>5512/016</td><td>17</td><td>EH267</td></tr><tr><td>5512/016</td><td>20 to 26</td><td>DH292</td></tr><tr><td>5512/016</td><td>27</td><td>EH292</td></tr><tr><td>5512/016</td><td>30 to 36</td><td>DH256</td></tr><tr><td>5512/016</td><td>37</td><td>EH256</td></tr><tr><td>5512/016</td><td>40 to 46</td><td>DH252</td></tr><tr><td>5512/016</td><td>47</td><td>EH252</td></tr><tr><td>5512/016</td><td>50 to 56</td><td>DH294</td></tr><tr><td>5512/016</td><td>57</td><td>EH294</td></tr></table>					ESCC Spec N°.	Variants	Component type	5513/031	01 to 49	DH50151 to DH50157	5513/031	57 to 63	EH50151 to EH50157	5513/032	01 to 35	DH50033 to DH50037	5513/032	41 to 45	EH50033 to EH50037	5513/033	01 to 49, 56, 63	DH50201 to DH50209	5513/033	71 to 79	EH50201 to EH50209	5513/034	01 to 36	DH50251 to DH50256	5513/034	42 to 47	EH50251 to EH50256	5513/036	01 to 42	DH50052 to DH50057	5513/036	49 to 54	EH50052 to EH50057	5513/037	01 to 49	DH50071 to DH50077	5513/037	57 to 63	EH50071 to EH50077	5513/038	01 to 49	DH50101 to DH50107	5513/038	57 to 63	EH50101 to EH50107	5512/016	10 to 16	DH267	5512/016	17	EH267	5512/016	20 to 26	DH292	5512/016	27	EH292	5512/016	30 to 36	DH256	5512/016	37	EH256	5512/016	40 to 46	DH252	5512/016	47	EH252	5512/016	50 to 56	DH294	5512/016	57	EH294
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DIODES,
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BASED ON TYPES DH2XX and EH2XX, DH50XXX and EH50XXX,
DH76XXX and EH76XXX

225K

ESCC Spec N°.	Variants	Component type
5512/023	01 to 07	DH76010
5512/023	73	EH76010
5512/023	10 to 16	DH76015
5512/023	74	EH76015
5512/023	19 to 25	DH76022
5512/023	75	EH76022
5512/023	28 to 34	DH76033
5512/023	76	EH76033
5512/023	37 to 43	DH76047
5512/023	77	EH76047
5512/023	46 to 52	DH76068
5512/023	78	EH76068
5512/023	37 to 43	DH76100
5512/023	79	EH76100
5512/023	46 to 52	DH76150
5512/023	80	EH76150

Operating Temperature Range (°C): -55 to +155