

6.1.5 Semiconductor

CAPACITORS, MICROWAVE, SILICON, NAKED DIE, MOS, BASED ON TYPES 101M, 201M, 400M AND 401M				286H															
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 400M10xA & 107C 400M108A & C 400M110A & C 400M113J & 114J</td><td>8.2, 10, 12, 15 18, 22, 27, 33, 39 47, 56, 68 81, 100 10</td><td>40</td></tr><tr><td>101M106A & C 101M10xA & 107C 101M108A & C</td><td>3.9, 4.7, 5.6, 6.8 10, 12, 15 22, 27, 33, 39</td><td>100</td></tr><tr><td>201M106C 201M106A 201M10xA & 107C 201M108A & C 201M111J & 112J</td><td>2.2, 2.7, 3.3 0.1X (201M106C, -107C, -108C) + 210M106C 3.9, 4.7, 5.6, 6.8, 8.2 10, 12, 15, 18 0.25 & 0.4</td><td>200</td></tr><tr><td>401M111J 401M112J</td><td>0.125 0.2</td><td>400</td></tr></table>					Type	Capacitance Range (pF)	U _R (V)	400M106A & C 400M10xA & 107C 400M108A & C 400M110A & C 400M113J & 114J	8.2, 10, 12, 15 18, 22, 27, 33, 39 47, 56, 68 81, 100 10	40	101M106A & C 101M10xA & 107C 101M108A & C	3.9, 4.7, 5.6, 6.8 10, 12, 15 22, 27, 33, 39	100	201M106C 201M106A 201M10xA & 107C 201M108A & C 201M111J & 112J	2.2, 2.7, 3.3 0.1X (201M106C, -107C, -108C) + 210M106C 3.9, 4.7, 5.6, 6.8, 8.2 10, 12, 15, 18 0.25 & 0.4	200	401M111J 401M112J	0.125 0.2	400
Type	Capacitance Range (pF)	U _R (V)																	
400M106A & C 400M10xA & 107C 400M108A & C 400M110A & C 400M113J & 114J	8.2, 10, 12, 15 18, 22, 27, 33, 39 47, 56, 68 81, 100 10	40																	
101M106A & C 101M10xA & 107C 101M108A & C	3.9, 4.7, 5.6, 6.8 10, 12, 15 22, 27, 33, 39	100																	
201M106C 201M106A 201M10xA & 107C 201M108A & C 201M111J & 112J	2.2, 2.7, 3.3 0.1X (201M106C, -107C, -108C) + 210M106C 3.9, 4.7, 5.6, 6.8, 8.2 10, 12, 15, 18 0.25 & 0.4	200																	
401M111J 401M112J	0.125 0.2	400																	
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				225L
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 Cert 259C has been merged with this certificate in Feb 2012. Cert 273F has been merged with this certificate in Sept 2019.		
5513/031, 5513/032, 5513/033, 5513/034, 5513/036, 5513/037, 5513/038, 5512/016, 5512/023				
Qualified range:				
ESCC Spec N°.	Variants	Component type		
5513/031	01 to 48, except 07, 14, 21, 28, 35, 42	DH50151 to DH50157		
5513/031	57 to 63	EH50151 to EH50157		
5513/032	01 to 34, except 07, 14, 21, 28	DH50033 to DH50037		
5513/032	41 to 45	EH50033 to EH50037		
5513/033	01 to 48 except 07, 14, 21, 28, 35, 42	DH50201 to DH50207		
5513/033	71 to 79	EH50201 to EH50209		
5513/034	01 to 34 except 07, 14, 21, 28	DH50251 to DH50255		
5513/034	42 to 47	EH50251 to EH50256		
5513/036	01 to 41 except 07, 14, 21, 28, 35	DH50052 to DH50057		
5513/036	49 to 54	EH50052 to EH50057		
5513/037	01 to 48 except 07, 14, 21, 28, 35, 42	DH50071 to DH50077		
5513/037	57 to 63	EH50071 to EH50077		
5513/038	01 to 48 except 07, 14, 21, 28, 35, 42	DH50101 to DH50107		
5513/038	57 to 63	EH50101 to EH50107		
5512/016	10 to 15	DH267		
5512/016	20 to 25	DH292		
5512/016	30 to 35	DH256		
5512/016	40 to 45	DH252		
5512/016	50 to 55	DH294		
5512/016	17, 27, 37, 47, 57	EH267, EH292, EH256, EH252, EH294		

DIODES,
MICROWAVE, SILICON, MULTIPLIER AND PIN,
BASED ON TYPES DH2XX and EH2XX, DH50XXX and EH50XXX,
DH76XXX and EH76XXX

225L

ESCC Spec N°.	Variants	Component type
5512/023	01 to 06	DH76010
5512/023	10 to 15	DH76015
5512/023	19 to 24	DH76022
5512/023	28 to 33	DH76033
5512/023	37 to 42	DH76047
5512/023	46 to 51	DH76068
5512/023	55 to 60	DH76100
5512/023	64 to 69	DH76150
5512/023	73, 74, 75, 76, 77, 78, 79, 80	EH76010, EH76015, EH76022, EH76033, EH76047, EH76068, EH76100, EH76150

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