



IC Knowledge – 2009 Discrete and Power Products Cost Model Supported Processes List

As of July 29, 2009 the following processes are included in the 2009 Discrete and Power Products Cost Model. The syntax is: wafer size (mm) – company – linewidth for IC products, voltage for discrete products – product details

1. 100mm - Fairchild - 0.6um - Bipolar - 1 layer aluminum
2. 100mm - On Semi - 5.0um - Bipolar - 1 aluminum layer
3. 100mm - Vishay - 100 volt - Diode
4. 125mm - Anpec - 5um - Bipolar - 1 layer aluminum
5. 125mm - KEC - 3um - Bipolar - 1 layer aluminum
6. 125mm - Power Integrations - 2.0um - CMOS/DMOS - 1 layer poly - 1 layer aluminum
7. 125mm - STMicro - 900 volt - SuperMESH
8. 125mm - STMicro - LAAT100 - 1 layer aluminum
9. 125mm - STMicro - LR200 Bipolar - 1 layer aluminum
10. 125mm - STMicro - PMOS - 0.8um - 1 layer aluminum
11. 150mm - BCD - 2um - Bipolar - 1 layer aluminum
12. 150mm - Champion - 1.2um - BiCMOS - 1 layer poly - 2 layer aluminum
13. 150mm - Fairchild - 8um - Bipolar BSP1 - 1 layer metal
14. 150mm - Fairchild - 1.5um - Bipolar - 2 layer metal
15. 150mm - Fairchild - 1.2um - BiCMOS - 1 layer poly - 2 layer metal
16. 150mm - Infineon - 600 volt - IGBT2 - IGBT
17. 150mm - Infineon - 1200 volt - IGBT2 - IGBT
18. 150mm - Infineon - 1200 volt - IGBT3 - IGBT
19. 150mm - International Rectifier - 20 volt - HEXFET Trench MOSFET
20. 150mm - International Rectifier - 25 volt - HEXFET Trench MOSFET
21. 150mm - International Rectifier - 30 volt - HEXFET Trench MOSFET
22. 150mm - International Rectifier - 40 volt - HEXFET Trench MOSFET
23. 150mm - International Rectifier - 55 volt - HEXFET Trench MOSFET
24. 150mm - International Rectifier - 60 volt - HEXFET Trench MOSFET
25. 150mm - International Rectifier - 75 volt - HEXFET Trench MOSFET
26. 150mm - International Rectifier - 100 volt - HEXFET Trench MOSFET
27. 150mm - International Rectifier - 150 volt - HEXFET Trench MOSFET
28. 150mm - International Rectifier - 200 volt - HEXFET Trench MOSFET
29. 150mm - NXP - 25 volt - TrenchMOS MOSFET
30. 150mm - NXP - 30 volt - TrenchMOS MOSFET
31. 150mm - NXP - 40 volt - TrenchMOS MOSFET
32. 150mm - NXP - 60 volt - TrenchMOS MOSFET
33. 150mm - NXP - 80 volt - TrenchMOS MOSFET
34. 150mm - NXP - 100 volt - Diode
35. 150mm - NXP - 200 volt - Diode
36. 150mm - On Semiconductor - 20 volt - Trench MOSFET
37. 150mm - On Semiconductor - 25 volt - Trench MOSFET

38. 150mm - On Semiconductor - 30 volt - Trench MOSFET
39. 150mm - On Semiconductor - 40 volt - Trench MOSFET
40. 150mm - On Semiconductor - 60 volt - Trench MOSFET
41. 150mm - On Semiconductor - 75 volt - Trench MOSFET
42. 150mm - On Semiconductor - 80 volt - Trench MOSFET
43. 150mm - On Semiconductor - 100 volt - Trench MOSFET
44. 150mm - On Semiconductor - 150 volt - Trench MOSFET
45. 150mm - On Semiconductor - 200 volt - Trench MOSFET
46. 150mm - On Semiconductor - 250 volt - Trench MOSFET
47. 150mm - On Semiconductor - 1um - PS5A - 1 layer poly - 2 layer metal
48. 150mm - On Semiconductor - 1um - PS5A - 2 layer poly - 2 layer metal
49. 150mm - On Semiconductor - 1um - VHVIC3 - 1 layer poly - 2 layer metal
50. 150mm - Power Integrations - 1.5um - CMOS/DMOS - 1 layer poly - 1 layer metal
51. 150mm - Renesas - 500nm - BiCMOS - 1 layer poly - 2 layer metal
52. 150mm - Renesas - High Side Trench FET
53. 150mm - Renesas - Low Side Trench FET
54. 150mm - STMicro - 30 volt - MESH
55. 150mm - STMicro - 600nm - BCD5 - 1 layer poly - 3 layer metal
56. 150mm - STMicro - 900 volt - SuperMESH
57. 150mm - STMicro - BCD offline - 2 layer poly - 3 layer metal
58. 150mm - STMicro - BCD1 - 1 layer poly - 1 layer metal
59. 150mm - STMicro - BCD2 - 2 layer poly - 2 layer metal
60. 150mm - STMicro - PRO450S-A Bipolar - 1 layer metal
61. 150mm - STMicro - PRO450S-C Bipolar - 1 layer metal
62. 150mm - Texas Instruments - 700nm - LBC4 - 2 layer poly - 3 layer aluminum
63. 150mm - Toshiba - 16 volt - NMOS U-MOS
64. 150mm - Toshiba - 20 volt - NMOS U-MOS
65. 150mm - Toshiba - 20 volt - PMOS U-MOS
66. 150mm - Toshiba - 30 volt - NMOS U-MOS
67. 150mm - Toshiba - 30 volt - PMOS U-MOS
68. 150mm - Toshiba - 40 volt - NMOS U-MOS
69. 150mm - Toshiba - 60 volt - NMOS U-MOS
70. 150mm - Toshiba - 100 volt - NMOS U-MOS
71. 150mm - Toshiba - 150 volt - NMOS U-MOS
72. 150mm - UTC - 5um - Bipolar - 1 layer metal
73. 150mm - Vishay/Siliconix - 20 volt - TrenchFET Gen 3 MOSFET
74. 150mm - Vishay/Siliconix - 25 volt - TrenchFET Gen 3 MOSFET
75. 150mm - Vishay/Siliconix - 30 volt - TrenchFET Gen 3 MOSFET
76. 150mm - Vishay/Siliconix - 30 volt - SkyFET Trench MOSFET with Schottky
77. 150mm - Vishay/Siliconix - 40 volt - TrenchFET Gen 3 MOSFET
78. 150mm - Vishay/Siliconix - 60 volt - TrenchFET Gen 3 MOSFET
79. 150mm - Vishay/Siliconix - 75 volt - TrenchFET Gen 3 MOSFET
80. 150mm - Vishay/Siliconix - 80 volt - TrenchFET Gen 3 MOSFET
81. 150mm - Vishay/Siliconix - 100 volt - TrenchFET Gen 3 MOSFET
82. 150mm - Vishay/Siliconix - 150 volt - TrenchFET Gen 3 MOSFET
83. 150mm - Vishay/Siliconix - 200 volt - TrenchFET Gen 3 MOSFET
84. 150mm - Vishay/Siliconix - 250 volt - TrenchFET Gen 3 MOSFET
85. 150mm - Weltrend - 1.0um - HVCMOS - 1 layer poly - 2 layer metal
86. 150mm - Weltrend - 0.6um - HVCMOS - 1 layer poly - 2 layer metal
87. 200mm - Alpha & Omega - 12 volt - Trench MOSFET
88. 200mm - Alpha & Omega - 12 volt - SRFET MOSFET w Schottky

89. 200mm - Alpha & Omega - 20 volt - Trench MOSFET
90. 200mm - Alpha & Omega - 20 volt - SRFET MOSFET w Schottky
91. 200mm - Alpha & Omega - 30 volt - Trench MOSFET
92. 200mm - Alpha & Omega - 30 volt - SRFET MOSFET w Schottky
93. 200mm - Alpha & Omega - 55 volt - Trench MOSFET
94. 200mm - Alpha & Omega - 60 volt - Trench MOSFET
95. 200mm - Alpha & Omega - 75 volt - Trench MOSFET
96. 200mm - Alpha & Omega - 105 volt - Trench MOSFET
97. 200mm - Alpha & Omega - 200 volt - Trench MOSFET
98. 200mm - Fairchild - 20 volt - PowerTrench MOSFET
99. 200mm - Fairchild - 30 volt - PowerTrench MOSFET
100. 200mm - Fairchild - 40 volt - PowerTrench MOSFET
101. 200mm - Fairchild - 60 volt - PowerTrench MOSFET
102. 200mm - Fairchild - 75 volt - PowerTrench MOSFET
103. 200mm - Fairchild - 100 volt - PowerTrench MOSFET
104. 200mm - Fairchild - 200 volt - PowerTrench MOSFET
105. 200mm - Infineon - 25 volt - OptiMOS Gen 3 MOSFET
106. 200mm - Infineon - 30 volt - OptiMOS Gen 2 MOSFET
107. 200mm - Infineon - 30 volt - OptiMOS Gen 3 MOSFET
108. 200mm - Infineon - 30 volt - OptiMOS Gen 3 MOSFET - 5 volt drive
109. 200mm - Infineon - 40 volt - OptiMOS Gen 3 MOSFET
110. 200mm - Infineon - 60 volt - OptiMOS Gen 3 MOSFET
111. 200mm - Infineon - 80 volt - OptiMOS Gen 3 MOSFET
112. 200mm - Infineon - 500 volt - CoolMOS MOSFET
113. 200mm - Infineon - 600 volt - CoolMOS MOSFET
114. 200mm - Infineon - 900 volt - CoolMOS MOSFET
115. 200mm - Microchip Technology - 1um - BiCMOS - 2 layer aluminum
116. 200mm - Renesas - High and Low Side Trench FETs
117. 200mm - ST Micro - 20 volt - STripFET III
118. 200mm - ST Micro - 24 volt - MESH
119. 200mm - ST Micro - 30 volt - STripFET IV
120. 200mm - ST Micro - 30 volt - STripFET V
121. 200mm - STMicro - BCD offline - 2 layer poly - 3 layer metal
122. 200mm - ST Micro - 350nm - BCD6 - 1 layer poly - 3 layer metal
123. 200mm - ST Micro - 350nm - BCD6 - 1 layer poly - 4 layer metal
124. 200mm - ST Micro - 350nm - BCD6 - 1 layer poly - 5 layer metal
125. 200mm - Texas Instruments - 1um - LBC3 - 2 layer poly - 3 layer metal (2Al + 1Cu)