

**MOTOROLA INTEGRATED CIRCUITS**  
**Super Schottky TTL 54SS00 - 74SS00 Series**

<b>Rating</b>	<b>Value</b>	<b>Unit</b>
Supply Voltage - $V_{CC}$	+7.0	Vdc
Supply Operating Voltage Range	4.5 to 5.5	Vdc
Operating Temperature Range	-55 to +125	°C
Storage Temperature Range	-65 to +150	°C

<b>Function</b>	<b>Type/Pkg</b>	<b>Supply Current* typ/total</b>	<b>Propagation Delay* typ/pkg</b>
Quad 2-Input NAND Gate	54SS00/D	20	5.0
Quad 2-Input NOR Gate	54SS02/D	22	3.5
Hex Inverter	54SS04/D	22	3.0
Quad 2-Input AND Gate	54SS08/D	25	5.0
Triple 3-Input NAND Gate	54SS10/D	24	5.0
Triple 3-Input AND Gate	54SS11/D	24	5.0
Dual 4-Input NAND Gate	54SS20/D	8	3.0
Dual 4-Input AND Gate	54SS21/D	-	-
Triple 3-Input NOR Gate	54SS27/D	-	-
Quad 2-Input OR Gate	54SS32/D	28	4.0
Dual AND-OR-INVERT Gate	54SS51/D	11	3.5
4-2-3-2 Input AND-OR-INVERT Gate	54SS64/D	8	3.5
Double D Type Flip-Flop	54SS74/D	30	-
Quad Exclusive NOR Gate	54SS86/D	50	7.0
13-Input NAND Gate	54SS133/F	4	4.0
1-of-8 Decoder/Demultiplexer	54SS138/F	49	7.0
8-Input Multiplexer	54SS151/F	45	9.0
Dual 4-Input Multiplexer	54SS153/F	45	9.0
Quad 2-Input Multiplexer	54SS157/F	50	7.4
Quad 2-Input Multiplexer	54SS158/F	40	6.0

<b>Function</b>	<b>Type/Pkg</b>	<b>Supply Current*</b> <b>typ/total</b>	<b>Propagation Delay*</b> <b>typ/pkg</b>
Hex D Type Flip-Flop	54SS174/F	90	-
Quad D Type Flip-Flop w/Clear	54SS175/F	60	-
4-Bit Arithmetic Logic Unit	54SS181/F	120	11.0
Look-ahead Carry Generator	54SS182/F	69	5.8
8-Input Multiplexer	54SS251/F	55	8.0
Quad 2-Input Multiplexer	54SS258/F	48	6.0

\*Based on estimates