

MOTOROLA INTEGRATED CIRCUITS
1600 Series

Rating	Value	Unit
Gate Propagation Delay	1.0	ns
Output Edge Speed	1.0	ns
measured at 10%-90% of E out		
Flip-Flop Toggle-Speed (minimums)	300-500	Mhz
Gate Power	60	mW
Power Supply V_{CC}	-8 to 0	V_{CC}
Input Voltage V_{in}	0 to $-5.2V \pm 5\%$	V_{in}
	$V_{CC} = 0$	
Output Source Current - I_{OUT} Continuous	40	mAdc
Storage Temperature	-65 to + 125	°C
Junction Temperature in ceramic package	+165* *except ML1670, which is +145°C	°C

Function	Type/Pkg
Voltage-Controlled Oscillator	1648M/C,D
Dual A/D Converter	1650/E,F
Dual A/D Converter	1651/E,F
Dual 4-Input Gate	1660/E,F
Quad 2-Input NOR Gate	1662/E,F
High Impedence Dual Clocked Latch	1668/E
Master-Slave Flip-Flop	1670/E,F
Triple 2-Input Exclusive-OR Gate	1672/E,F
Bi-Quinary Counter	1678/E
UHF Prescaler Type D Flip-Flop	1690/E,F
Quad Line Receiver	1692/E, F