

MOTOROLA INTEGRATED CIRCUITS
ECL PLL 12000 Series

Rating	Value	Unit
Storage Temperature	-65 to +125	°C
Junction Temperature (ceramic pkg)	+165	°C

Function	Type	Package
Analog Mixer, diff. amplifier for hi-freq. wideband	12002	C, -5
Prescaler: 480 MHz dual modulus ÷5/6	12009	E, -5
Prescaler: 550 MHz dual modulus ÷8/9	12011	E, -5
Prescaler: 550 MHz dual modulus ÷10/11	12013	E, -5
Prescaler: 225 MHz dual modulus ÷32/33	12015	-5
Prescaler: 225 MHz dual modulus ÷40/41	12016	-5
Prescaler: 225 MHz dual modulus ÷65/65	12017	-5
Prescaler: 225 MHz dual modulus ÷20/21	12019	-5
Prescaler: 2.0 GHz dual modulus ÷32/33, ÷64/65	12034	-5
Prescaler: 1.1 GHz dual modulus ÷64/65 ÷128/129 stby	12038	-5
80 MHz Phase Freq. detector for PLL applications	12040	C, -4
Prescaler: 1.1 GHz dual modulus ÷64/65, ÷128/129	12052	-5
Prescaler: 2.0 GHz dual modulus ÷64/65, ÷128/129	12054A	-5
Crystal Oscillator, 2-20 MHz for MECL & TTL outputs	12061	E, -5
Prescaler: 2.8 GHz selectable ÷64/128/256	12079	-5
VCO, low power hi-freq. up to 1300 MHz	12149	-5
500-2800 MHz Single Channel Frequency Synthesizer	12179	-5
PLL Frequency Synthesizer, Serial Input	12202	-5
2.5 GHz Serial Input Synthesizer	12210	-5
Analog Mixer with On Chip Regulator for Bias Control	12502	C
Prescaler: 480 MHz dual modulus ÷5/6	12509	E
Prescaler: 550 MHz dual modulus ÷8/9	12511	E

Function	Type	Package
Prescaler: 550 MHz dual modulus $\div 10/11$	12513	E
Prescaler: 225 MHz dual modulus $\div 32/33$	12515	P
80 MHz Phase Freq. detector for PLL applications	12540	C
Crystal Oscillator, 2-20 MHz for MECL & TTL outputs	12561	E