

# Operational Amplifier Selection Guide

## Micrel Advantage

- Low Power
- Low Current
- Can Drive Large Capacitance Loads
- Best Performance

Device	Description	GBW	Slew Rate	Supply Current (per Op Amp)	Input Offset Voltage (max.)	Input Bias Current	Supply Range	Rail-to-Rail I/O	# of Op Amps Per Package	Package	Comments
MIC6211	High-Voltage Op Amp	2.5MHz	6V/ $\mu$ s	1.2mA	7mV	50nA	4V–32V		1	SOT-23-5	High-Voltage General Purpose.
LMC7101	General Purpose Op Amp	500kHz	0.5V/ $\mu$ s	500 $\mu$ A	6mV	1pA	2.7V–10V	Input/Output	1	SOT-23-5	Rail-to-Rail Input and Output.
MIC7111	Micropower 1.8V Op Amp	25kHz	20mV/ $\mu$ s	15 $\mu$ A	7mV	1pA	1.8V–11V	Input/Output	1	SOT-23-5	Rail-to-Rail Input and Output.
MIC7122	Rail-to-Rail Dual Op Amp	750kHz	0.7V/ $\mu$ s	350 $\mu$ A	9mV	1pA	2.2V–15V	Input/Output	2	MSOP-8	Rail-to-Rail Input and Output.
MIC7300	High Output Drive Op Amp	500kHz	0.5V/ $\mu$ s	700 $\mu$ A	9mV	0.5pA	2.2V–10V	Input/Output	1	SOT-23-5 MSOP-8	Rail-to-Rail Input and Output.
MIC860	4MHz/30 $\mu$ A Op Amp	4MHz	3V/ $\mu$ s	30 $\mu$ A	15mV	20pA	2.43V–5.25V	Output	1	SC-70-5	Very Low Power.
MIC861	400kHz/4.6 $\mu$ A Op Amp	400kHz	0.12V/ $\mu$ s	4.6 $\mu$ A	10mV	20pA	2.43V–5.25V	Output	1	SC-70-5	Very Low Power.
MIC862	Dual 3MHz/31 $\mu$ A Op Amp	3MHz	4V/ $\mu$ s	31 $\mu$ A	6mV	10pA	2V–5.25V	Output	2	SOT-23-8	Very Low Power.
MIC863	Dual 450kHz/4.2 $\mu$ A Op Amp	450kHz	0.35V/ $\mu$ s	4.2 $\mu$ A	6mV	10pA	2V–5.25V	Output	2	SOT-23-8	Very Low Power.
MIC910	135MHz Op Amp	135MHz	270V/ $\mu$ s	2.4mA	15mV	3.5 $\mu$ A	5V–18V		1	SOT-23-5	Low Power/High Speed.
MIC911	105MHz Op Amp	105MHz	120V/ $\mu$ s	1.25mA	10mV	1.5 $\mu$ A	5V–18V		1	SOT-23-5	Low Power/High Speed.
MIC912	200MHz Op Amp	200MHz	360V/ $\mu$ s	2.4mA	15mV	3.5 $\mu$ A	5V–18V		1	SOT-23-5	Low Power/High Speed.
MIC913	350MHz Op Amp	350MHz	500V/ $\mu$ s	4.2mA	16mV	5.5 $\mu$ A	5V–18V		1	SOT-23-5	Low Power/High Speed.
MIC914	160MHz Op Amp	160MHz	160V/ $\mu$ s	1.25mA	10mV	1.5 $\mu$ A	5V–18V		1	SOT-23-5	Low Power/High Speed.
MIC915	Dual MIC910	135MHz	270V/ $\mu$ s	2.4mA	15mV	3.5 $\mu$ A	5V–18V		2	MSOP-10	Low Power/High Speed.
MIC916	Triple MIC910	135MHz	270V/ $\mu$ s	2.4mA	15mV	3.5 $\mu$ A	5V–18V		3	QSOP-16	Low Power/High Speed.
MIC918	1500V/ $\mu$ s Op Amp	51MHz	1500V/ $\mu$ s	550 $\mu$ A	5mV	0.26 $\mu$ A	5V–18V		1	SC-70-5	Low Power/High Speed.
MIC919	1500V/ $\mu$ s Op Amp	27MHz	1500V/ $\mu$ s	360 $\mu$ A	5mV	0.13 $\mu$ A	5V–18V		1	SC-70-5	Low Power/High Speed.
MIC920	3000V/ $\mu$ s Op Amp	80MHz	3000V/ $\mu$ s	500 $\mu$ A	5mV	0.26 $\mu$ A	5V–18V		1	SC-70-5	Low Power/High Speed.
MIC921	3000V/ $\mu$ s Op Amp	45MHz	3000V/ $\mu$ s	300 $\mu$ A	5mV	0.13 $\mu$ A	5V–18V		1	SC-70-5	Low Power/High Speed.
MIC922	230MHz Op Amp	230MHz	1500V/ $\mu$ s	2.5mA	5mV	1.7 $\mu$ A	5V–18V		1	SC-70-5	Low Power/High Speed.
MIC923	410MHz/2200V/ $\mu$ s Op Amp	410MHz	2200V/ $\mu$ s	2.5mA	5mV	1.7 $\mu$ A	5V–18V		1	SC-70-5	Low Power/High Speed.