

NJRC's OPamp Line-up, featuring the NJM273x series

NJR
NEWS

2005 **50**

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NJM273x series

NJRC Bipolar OPamp series

This newsletter talks about NJRC'S **Bipolar Low Noise OPamp**, the NJM2730/32/34/37.

■ FEATURES

- Low Operating Voltage
- **Input / Output Full-Swing**
- Load Drivability
- Low Offset Voltage
- **Low Input Voltage Noise**
- Bipolar Technology
- Various Package Line-up

About detail, please see below table.

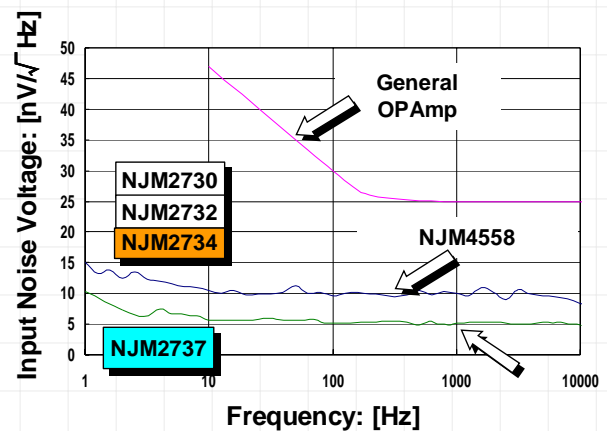
Comparison Table NJM273x series

	NJM2730	NJM2732	NJM2734	NJM2737
Circuit Number	single	dual	quad	dual
Operating Voltage	1.8V to 5.0V	1.8V to 6.0V		
Input Full-Swing	$V_{CM} = 0V$ to 5.0V @ $V^+=5V$			
Output Full-Swing	$V_{OH} > 4.9V$ / $V_{OL} < 0.1V$ @ $V^+=5V$, $R_L=20k\Omega$			
Operating Current	320 μ A	580 μ A	1.2mA	1.2mA
Load Drivability	$V_{OH} > 4.75V$ / $V_{OL} < 0.25V$ @ $V^+=5V$, $R_L=2k\Omega$			
Offset Voltage	5.0mV (max.)			
Input Voltage Noise	10nV/Hz (typ.)			5nV/Hz (typ.)
Slew Rate	0.4V / μ s			0.7V / μ s
Package	SOT-23-5	DIP8, DMP8, EMP8, SSOP8, TVSP8	DIP14, DMP14, EMP14, SSOP14	DIP8, DMP8, SSOP8, TVSP8

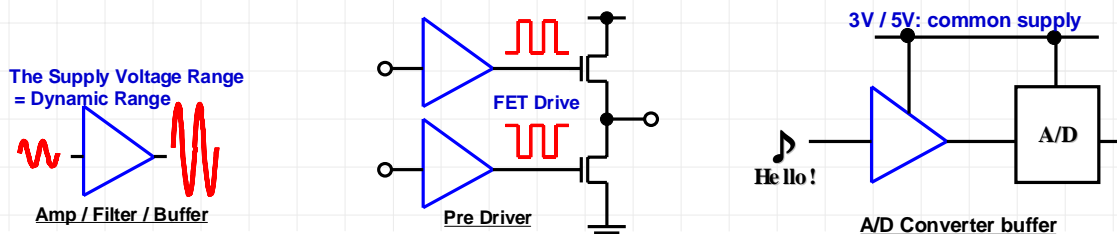
■ APPLICATIONS

Battery Management Applications,
Portable Audio Applications,
Sensor Amp, Microphone Amp,
and so on.

■ Low Noise Characteristics



■ EXAMPLE APPLICATIONS:



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198 Stauffer Blvd. San Jose, CA 95125

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