

7. LVR: Low voltage reset at 1.5V.
 9. Large PWM: Louder audio output than normal PWM.

8. Motor Recover: One input to detect recovering signal and let motor reset to original position.
 10. NY3(B)_FDB: New NY3(B) series Flash Demo Board with multi-time programmable design.



NY3L Series – 1-Channel Speech Synthesizer with LED Control

2020/3/20

P/N	Sec (6kHz)	Sec (8kHz)	Voice Algorithm	MOQ (K pcs)	MFQ (K pcs)	Operating Voltage	I/O	OKY	Toggle On/Off	POP	QIO	LCO	Sink Current	LVR	Section	Sentence	Step	Operating Freq.	Playspeed Option	Playspeed Freq.	Int. Rosc	PWM On/Off	Edge Loop	Loop On/Off	Loop End	Anti-Noise Debounce	Noise TG	PWM	Large PWM	Pad Count	Flash Demo Board
NY3L003A	3.1	2.3	4/5-bit	65K	350K	1.6-6.4V	5	1	1	v	3	5	4-Level	-	32	16	256	768kHz	27	1	+/- 3%	v	v	v	v	v	v	9-bit	-	9	NY4_FDB-02
NY3L006A	6.1	4.6	4/5-bit	59K	300K	1.6-6.4V	5	1	1	v	3	5	4-Level	-	32	16	256	768kHz	27	1	+/- 3%	v	v	v	v	v	v	9-bit	-	9	NY4_FDB-02
NY3L009A	9.2	6.9	4/5-bit	50K	270K	1.6-6.4V	5	1	1	v	3	5	4-Level	-	32	16	256	768kHz	27	1	+/- 3%	v	v	v	v	v	v	9-bit	-	9	NY4_FDB-02
NY3L012A	12.3	9.2	4/5-bit	50K	250K	1.6-6.4V	5	1	1	v	3	5	4-Level	-	32	16	256	768kHz	27	1	+/- 3%	v	v	v	v	v	v	9-bit	-	9	NY4_FDB-02

Remarks:

- 4-bit (S): NY3AxxD use Simple 4-bit LOG-PCM algorithm, and it's normally applied in sound-effect applications.
- POP: Power On Play function.
- LCO & LSC: Normal Large Current Output & very Large Sink Current output.
- LVR: Low voltage reset at 1.5V.
- Large PWM: Louder audio output than normal PWM.

- 4/5-bit: 4-bit/5-bit Mixed Advanced LOG-PCM algorithm for NY3AxxE & NY3BxxC, and 4-bit/5-bit Mixed ADPCM algorithm for NY3C.
- QIO: Quick-IO output signal.
- CSC: Constant Sink Current output.
- 4-Level Sink Current: 100%, 80%, 50%, 30%.
- Power PWM: Louder audio output than large PWM.