

P/N	Sec (6kHz)	Sec (8kHz)	Voice Algorithm	MOQ (K pcs)	MFQ (K pcs)	Operating Voltage	ROM	P-ROM	SRAM	I/O	IR	VC 16-level	LCO	CSC	Noise Filter	Fast Clock	Slow Mode	Halt Mode	Int. Rosc.	Ext. Rosc.	Voice	Melody	Audio Option	Ultra PWM x 1	PWM x 1	DAC x 1	Push-Pull x 1	Pad Count	NY7_FDB
NY7P021A	20.8	15.6	6-bit	OTP	OTP	2.0-5.5V	64K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	13-bit	31	-04 -08 -16 -32
NY7P065A	64.5	48.4	6-bit	OTP	OTP	2.0-5.5V	192K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	13-bit	31	-04 -08 -16 -32
NY7P087A	86.4	64.8	6-bit	OTP	OTP	2.0-5.5V	256K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	38	-04 -08 -16 -32
NY7P170A	173.8	130.3	6-bit	OTP	OTP	2.0-5.5V	512K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	38	-8 -16 -32
NY7P345A	348.5	261.4	6-bit	OTP	OTP	2.0-5.5V	1024K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	38	-16 -32
NY7P520A	523.3	392.5	6-bit	OTP	OTP	2.0-5.5V	1536K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	38	-32
NY7A004A	4.5	3.3	6-bit	20.6K	100K	2.0-5.5V	16K x 12	16K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A007A	7.2	5.4	6-bit	20.6K	90K	2.0-5.5V	24K x 12	24K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A010A	9.9	7.4	6-bit	20.6K	80K	2.0-5.5V	32K x 12	32K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A016A	15.4	11.5	6-bit	18.2K	80K	2.0-5.5V	48K x 12	48K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A021A	20.8	15.6	6-bit	18.2K	70K	2.0-5.5V	64K x 12	64K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A032A	31.8	23.8	6-bit	14.9K	70K	2.0-5.5V	96K x 12	64K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A043A	42.7	32.0	6-bit	14.9K	60K	2.0-5.5V	128K x 12	64K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A054A	53.6	40.2	6-bit	12.6K	60K	2.0-5.5V	160K x 12	64K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7A065A	64.5	48.4	6-bit	12.6K	50K	2.0-5.5V	192K x 12	64K x 12	448 x 4	8	v	v	8	8	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Auto/Register	v	12-bit	13-bit	-	14	-04 -08 -16 -32
NY7B007A	7.2	5.4	6-bit	13.5K	80K	2.0-5.5V	24K x 12	24K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B010A	9.9	7.4	6-bit	13.5K	70K	2.0-5.5V	32K x 12	32K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B016A	15.4	11.5	6-bit	12.4K	60K	2.0-5.5V	48K x 12	48K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B021A	20.8	15.6	6-bit	12.4K	60K	2.0-5.5V	64K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B032A	31.8	23.8	6-bit	10.7K	60K	2.0-5.5V	96K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B043A	42.7	32.0	6-bit	10.7K	50K	2.0-5.5V	128K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B054A	53.6	40.2	6-bit	9.5K	50K	2.0-5.5V	160K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B065A	64.5	48.4	6-bit	9.5K	50K	2.0-5.5V	192K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B076A	75.5	56.6	6-bit	8.4K	45K	2.0-5.5V	224K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7B087A	86.4	64.8	6-bit	8.4K	45K	2.0-5.5V	256K x 12	64K x 12	448 x 4	16	v	v	16	16	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	26	-04 -08 -16 -32
NY7C010A	9.9	7.4	6-bit	11.8K	60K	2.0-5.5V	32K x 12	32K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C016A	15.4	11.5	6-bit	11.8K	55K	2.0-5.5V	48K x 12	48K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C021A	20.8	15.6	6-bit	11.8K	55K	2.0-5.5V	64K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C032A	31.8	23.8	6-bit	10.2K	50K	2.0-5.5V	96K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C043A	42.7	32.0	6-bit	10.2K	45K	2.0-5.5V	128K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C054A	53.6	40.2	6-bit	9.0K	40K	2.0-5.5V	160K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C065A	64.5	48.4	6-bit	9.0K	40K	2.0-5.5V	192K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C076A	75.5	56.6	6-bit	8.0K	35K	2.0-5.5V	224K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C087A	86.4	64.8	6-bit	8.0K	35K	2.0-5.5V	256K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-04 -08 -16 -32
NY7C110A	111.0	83.2	6-bit	6.8K	30K	2.0-5.5V	328K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-08 -16 -32
NY7C130A	130.1	97.6	6-bit	6.8K	30K	2.0-5.5V	384K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-08 -16 -32
NY7C150A	151.9	113.9	6-bit	5.7K	25K	2.0-5.5V	448K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-08 -16 -32
NY7C170A	173.8	130.3	6-bit	5.7K	25K	2.0-5.5V	512K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-08 -16 -32
NY7C220A	222.9	167.2	6-bit	3.9K	20K	2.0-5.5V	656K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-16 -32
NY7C260A	261.1	195.9	6-bit	3.9K	20K	2.0-5.5V	768K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-16 -32
NY7C305A	304.8	228.6	6-bit	3.2K	15K	2.0-5.5V	896K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-16 -32
NY7C345A	348.5	261.4	6-bit	3.2K	15K	2.0-5.5V	1024K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-16 -32
NY7C450A	457.8	343.3	6-bit	2.2K	10K	2.0-5.5V	1344K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-32
NY7C520A	523.3	392.5	6-bit	2.2K	10K	2.0-5.5V	1536K x 12	64K x 12	448 x 4	24	v	v	24	24	v	4MHz	v	v	+/- 0.5%	-	8/0	0/8	Register	-	-	13-bit	13-bit	36	-32

Remarks: 1. VC 16-level: 16-level Volume control for both PWM, DAC and Push-Pull. 2. LCO & CSC: Large current output & Constant sink current output. 3. Noise Filter: Interpolation for output signal. (128kHz Over-Sampling) 4. Slow Clock: lower operating current at slow clock mode.