

SH66L/67L 1.5V Series OTP&MASK 1.5伏低电压单片机

芯片型号	只读存储器 (字节)	随机存储器 (字节)	工作电压 (伏特)	CPU时钟 (赫兹)	I/O端口(引 脚)	中断源	液晶驱动 (COM×SEG)	工作电流	待机电流	掉电电流	声音输出	声音传感 器	其他特性	封装
Part Number	ROM (Byte)	RAM (Byte)	Voltage (V)	CPU Clock (Hz)	I/O (Pin)	Interrupt Source	LCD (COM×SEG)	Operating Current	Halt Current	Stop Current	Sound Output	Sound Transduc er	Others	Package
SH66L06A	1K	256	1.2~1.7	32K Cry;131K RC_Ex	8	T0/T1/PB/EX	4×18 3×18	32KHz_1.5V: 3uA	32KHz_1.5V: 2uA	0.5uA	Alarm	Buzzer	WDT	DICE
SH66L08A	1K	256	1.2~1.7	32K Cry;131K RC_Ex	Max 16	T0/T1/PBC/EX	4×34 3×34	32KHz_1.5V: 3uA	32KHz_1.5V: 2uA	0.5uA	Alarm	Buzzer	WDT	DICE
SH66L10A	2K	256	1.2~1.7	32K Cry;131K RC_Ex	Max 16	T0/T1/PBC/EX	4×34 3×34	32KHz_1.5V: 3uA	32KHz_1.5V: 2uA	0.5uA	Alarm	Buzzer	WDT	DICE
SH66L12B	2K	256	1.2~1.7	32K Cry;131K RC_Ex	Max 16	T0/T1/PBC/EX	4×34 3×34 2×34	32KHz_1.5V: 4uA	32KHz_1.5V: 2uA	0.5uA	Alarm	Buzzer	WDT, EL, RFC	DICE
SH66N12	2K OTP	256	1.2~1.7	32K Cry;131K RC_Ex	Max 16	T0/T1/PBC/EX	4×34	32KHz_1.5V: 6uA	32KHz_1.5V: 2uA	0.5uA	Alarm	Buzzer	WDT, EL, RFC	DICE
SH66L16A	16K	1872	1.2~1.7	Dual Clock_OSC: 32K Cry;Dual Clock_OSCX:200K RC_Ex	Max 24	T0/BT/PBC/EX	8×56 4×56	32KHz_1.5V: 4uA	32KHz_1.5V: 2uA	0.5uA	Alarm	Buzzer	WDT, RDT, Edge RESET, BT	DICE
SH67L17A	24K	4136	1.2~1.7	Dual Clock_OSC: 32K Cry;131K RC_In;Dual Clock_OSCX:500K RC_Ex	Max 24	BT/T0/PBC/EX	4×60 5×60 9×60	32KHz_1.5V: 14uA	32KHz_1.5V: 2uA	1uA	Alarm	Buzzer	WDT, Edge RESET, Multiplier , 1.5V Regulator	DICE
SH67L19A	4K	256	1.2~1.7	Dual Clock_OSC: 32.768K Cry;32K/131K RC_Ex;Dual Clock_OSCX:455K RC_Ex	Max 24	T0/BT/PBC/EX	6×38 5×38 4×38 3×38	32KHz_1.5V: 4uA	32KHz_1.5V: 2uA	0.5uA	Alarm / 2 PSG	Buzzer	WDT, EL, RFC	DICE
SH67N19A	4K OTP	638	1.2~1.7 2.4~3.6	Dual Clock_OSC: 32.768K Cry;32K/131K RC_Ex; Dual Clock_OSCX: 455K RC_Ex	Max 24	T0/BT/PBC/EX	6×38 5×38 4×38 3×38	32KHz_1.5V: 4uA	32KHz_1.5V: 2uA	0.5uA	Alarm / 2 PSG	Buzzer	WDT, EL, RFC	DICE

SH66 Consumer MCU 消费类单片机

芯片型号	只读存储器 (字节)	随机存储器 (字节)	工作电压 (伏特)	CPU时钟 (赫兹)	I/O端口 (引脚)	中断源	液晶驱动 (COM×SEG)	工作电流	待机电流	掉电电流	其他特性	封装
Part Number	ROM (Byte)	RAM (Byte)	Voltage (V)	CPU Clock (Hz)	I/O (Pin)	Interrupt Source	LCD (COM×SEG)	Operating Current	Halt Current	Stop Current	Others	Package
SH66P12 (SH66K12)	2K	256	2.5~5.4	32K Cry;262K RC_Ex	16	T0/T1/PB/EX	4×26	32KHz_5V: 15uA	32KHz_5V: 5uA	1uA	Alarm, LPD, LVR	DICE
SH66P13A (SH6613D)	4K	480	2.5~6 (2.4~6)	Dual Clock_OSC: 32K Cry;262K RC_Ex;Dual Clock_OSCX: 455K Cer;1.8M/2M RC_Ex	8	BT/T0/PB/EX	4×34	32KHz_3V: 10uA	32KHz_3V: 2uA	1uA	PSG	DICE
SH66P14A (SH6614D)	4K	480	2.4~5.5 (2.4~6)	Dual Clock_OSC: 32K Cry;262K RC_Ex;Dual Clock_OSCX: 455K Cer;1.8M/2M RC_Ex	8	BT/T0/PB/EX	8×30 4×34	32KHz_3V: 10uA	32KHz_3V: 2uA	1uA	PSG	DICE

SH67/69 HA MCU---I/O series 家电单片机---I/O系列

芯片型号	只读存储器 (字节)	随机存储器 (字节)	工作电压 (伏特)	CPU时钟 (赫兹)	I/O端口 (引脚)	中断源	定时器	堆栈 (层)	工作电流	待机电流 (Halt)	待机电流 (Stop)	看门狗	低电压复 位	其他特 性	封装
Part Number	ROM (Byte)	RAM (Byte)	Voltage (V)	CPU Clock (Hz)	I/O (Pin)	Interrupt Source	Timer	Stack (level)	Operating Current	Halt Current	Stop Current	WDT	LVR	Others	Package
SH69P20C	1K	64	2.4~5.5	32K/400K~8M Cry; 400K~8M Cer; 400K~8M RC_Ex; 2/4/6M RC_In; 30K~8M Ex_Clock	Max16	T0/PBC/EX1/EX2	1	4	4MHz_3V: 0.3mA	4MHz_3V: Max 0.3mA	1uA	√	2.5V/3.9 V	--	DICE DIP18 SOP18
SH69P21	1K	64	2.4~5.5	32K/400K~8M Cry; 400K~8M Cer; 400K~8M RC_Ex; 8M RC_In;	6(SOP8) 12(SOP14)	T0/PB/EX	1	4	4MHz_3V: 0.3mA	4MHz_3V Max 0.3mA	1uA	√	2.5V/4V	--	SOP8 SOP14

SH69P25	4K	160	2.4~5.5	32K/400K~4M Cry; 400K~4M Cer; 400K~4M RC_Ex; 30K~4M Ex_Clock	22	T0/PBC	1	4	4MHz_3V: 0.3mA	4MHz_3V: Max 0.3mA	1uA	✓	2.5V/4V	---	SKDIP28 SOP28
SH69P26	6K	320	2.4~5.5	32K/400K~8M Cry; 400K~8M Cer; 400K~8M RC_Ex; 2/4/6M RC_In; 30K~8M Ex_Clock	Max29	T0/T1/T2/PF/CMP	3	8	4MHz_5V: 1mA	4MHz_5V: Max 0.8mA	1uA	✓	2.5V/4V	LED Driver; CMP;RDT ;Tone	SKDIP28 SOP28 DIP32
SH67P33C	1K	48	1.8~3.6	400K~4M Cry; 400K~4M Cer; 4M±2% RC_In;	Max17	T0/PBCD	1	4	4MHz_3V: 0.3mA	4MHz_3V: 0.2mA	1.5uA	✓	1.7V	IR	DICE DIP20 SOP20 TTSP20

SH67/69 HA MCU---ADC series 家电单片机---ADC系列

芯片型号	只读存储器 (16位)	随机存储器 (4位)	工作电压 (伏特)	CPU 时钟 (赫兹)	I/O端口 (引脚)	中断源	定时器	堆栈 (层)	工作电流	待机电流 (Halt)	待机电流 (Stop)	液晶显示屏 (COM×SEG)	模/数转换器	脉宽调节 输出	看门狗 定时器	低电压复 位	其他特 性	封装
Part Number	OTP ROM (16-bit)	RAM (4-bit)	Voltage (V)	CPU clock (Hz)	I/O (pin)	Interrupt source	Timer	Stack (level)	Operating Current	Halt Current	Stop current	LCD (COM× SEG)	ADC	PWM	WDT	LVR	Others	Package
SH69P42	3K	144	2.4~5.5	32K/400K~8M Cry; 400k~8M Cer;400k~8M RC_Ex;4M RC_In;30K~8MEx_Cl ock	Max16	ADC, TO, T1, P ABCD	2	8	8MHz_5v: 1.5mA	8MHz_5V: 500uA	<1uA	---	4×8bits	2× 10bits	✓	2.5V/4V	---	DIP20 SOP20
SH69P43	3K	144	2.4~5.5	32K/400K~8M Cry; 400k~8M Cer;400k~8M RC_Ex;4M RC_In;30K~8MEx_Cl ock	Max24	ADC, TO, T1, P ABCD	2	8	8MHz_5v: 1.5mA	8MHz_5V: 500uA	<1uA	---	8×8bits	2× 10bits	✓	2.5V/4V	---	DIP28 SOP28 SKDIP28
SH67P847	1K	96	3.3~5.5	16M±2% RC_In	Max6	TO, ADC, PWM, PA	1	4	16MHz_5v: 3mA	16MHz_5v: 1.5mA	<1uA	---	4×10bits	1×9bits	✓	3.5V	---	SOP8
SH69P848A	2K	192	2.4~5.5	400K~10M RC_Ex; 4M±5% RC_In;	Max6	ADC, TO, T1, P ABCD	2	8	4MHz_5V: 2mA	4MHz_5V: 1mA	<1uA	---	3×10bits	1× 10bits	✓	2.5V/4V	---	SOP8
SH69P48A	4K	192	2.4~5.5	32K/400K~10M Cry; 400k~10M Cer;400k~10M RC_Ex;4M±5% RC_In;30K~10MEx_C lock	Max18	ADC, TO, T1, P BD	2	8	4MHz_5V: 2mA	4MHz_5V: 1mA	<1uA	---	10×10bits	2× 10bits	✓	2.5V/4V	---	DIP20 SOP20 SOP16

SH69P55A	8K	376	2.4~5.5	32K/400K~8M Cry; 400k~8M Cer;400k~8M RC_Ex;4M±5% RC_In;1/2/4/8M PLL	Max42	TO, T1, T2, PB C, ADC, KeyScan	3	8	8MHz_5V: 2mA	8MHz_5V: 1.8mA	<1uA	4×20 ×18 ×16	6 8	10×10bit	2× 10bits	√	2.5V/4V	PLL, PFG, LED driver	QFP44 SOP28 DIP32
SH67P61	6K	456	2.4~5.5	32K/400K~10M Cry; 400k~10M Cer;400k~10M RC_Ex;32K/10M RC_In;	Max36	TO, T1, ADC, P BGJ, Keyscan, Tou chKey, WDT, T WI	2	8	32KHz_5V: 12uA	32KHz_5V: 8uA	<1uA	8×8 4×12		8×10bit	1× 10bits	√	2.5V/4V	Touchke y, TWI	LQFP44 LQFP32
SH69P481	4K	287	2.4~5.5	32K/400K~10M Cry; 400k~10M Cer;400k~10M RC_Ex;16M±5% RC_In;	Max14	TO,T1,T2,PB CD,ADC,OC P/OVP	2	8	4MHz_5V: 2mA	4MHz_5V: <1mA	<1uA	--		11×12bit	2× 10bits	√	2.5V/4V	内建 0.5%基 准电压	SOP16
SH69P482	4K	287	2.4~5.5	32K/400K~10M Cry; 400k~10M Cer;400k~10M RC_Ex;32K/10M;16M ±5% RC_In;	Max16	TO, T1, T2, PB CD, ADC, OCP/ OVP	2	8	4MHz_5V: 2mA	4MHz_5V: <1mA	<1uA	--		11×12bit	3× 10bits	√	2.5V/4V	内建 0.5%基 准电压 带死驱 脉宽调 制	SOP16 TSSOP20

SH67/69 HA MCU---LCD series 家电单片机---LCD系列

芯片型号	只读存储器 (16位)	随机存储器 (4位)	工作电压 (伏特)	CPU 时钟 (赫兹)	I/O端口 (引脚)	中断源	定时器	堆栈 (层)	工作电流	待机电流	掉电电流	液晶驱动 (COM×SEG)	模/数转换器	脉宽调节 输出	看门狗	低电压复 位	其他	封装
Part Number	OTP ROM (16-bit)	RAM (4-bit)	Voltage (V)	CPU Clock (Hz)	I/O	Interrupt source	Timer	Stack (level)	Operating Current	Halt current	Stop current	LCD (COM× SEG)	ADC	PWM	WDT	LVR	Others	Package
SH69P24	4K	256	2.4~5.5	4M±2% RC_In	Max22	TO, T1, KeyScan, PA	2	8	4MHz_5V: 1mA	4MHz_5V: <1.3mA	<1uA	8×8 4×12	--	--	√	2.5V/4V	LED Driver , KeyScan, Buzzer	SOP24
SH66P51A (SH66K51A)	2K	128	1.8~3.6	Dual Clock_OSC: 32K Cry; 131K RC_Ex; Dual Clock_OSCX: 400K~4M Cry/Cer; 4M±2% RC_In	Max18	TO, BT, PBC	2 (TO+BT)	4	4MHz_3V: 0.3mA	32KHz_3V: 4uA	<1uA	3×29 4×28 5×27 6×26	--	--	√	1.7V	LCD Regulat or, IR, L PD	LQFP64; QFP44

SH67P53 (SH67K53)	4K	144	2.4~6	Dual Clock_OSC: 32K Cry; 262K RC_Ex; Dual Clock_OSCX: 400K~8M Cry/Cer	Max12	Ext, T0, BT, P BC	1	8	32KHz_3V: 12uA	32KHz_3V: 4uA	<1uA	4×20	--	--	√	2.5V/4V	PSG, LED Driver	DICE; LQFP64
SH67P54 (SH67K54)	4K	336	2.4~6	Dual Clock_OSC: 32K Cry; 262K RC_Ex; Dual Clock_OSCX: 400K~8M Cry/Cer; 2M~8M RC_Ex	Max16	Ext, T0, BT, P BC	2 (T0+BT)	8	32KHz_3V: 12uA	32KHz_3V: 4uA	<1uA	4×34 5×33 6×32 8×30	--	--	√	2.5V 4V	PSG, LED Driver, LPD	DICE; LQFP64
SH69P55A	8K	376	2.4~5.5	32K/400K~8M Cry; 400K~8M Cer; 400K~8M RC_Ex; 4M±5% RC_In; 1/2/4/8M PLL	Max42	T0, T1, T2, PB C, ADC, Keyscan	3	8	32KHz_5V: 12uA	32KHz_5V: 8uA	<1uA	4×20 6×18 8×16	10×10bits	1× (8+2)bits	√	2.5V/4V	PLL, PSG, LED Driver , Key Scan, Zero Cross Detecti on	QFP44; DIP32; SOP28

SH67/69 HA MCU---8 Pin series 家电单片机---8引脚系列

芯片型号	只读存储器 (16位)	随机存储器 (4位)	工作电压 (伏特)	CPU 时钟 (赫兹)	I/O端口 (引脚)	中断源	定时器	堆栈 (层)	工作电流	待机电流	掉电电流	模/数转换器	比较器	脉宽调节 输出	看门狗	低电压复 位	其他	封装
Part Number	OTP ROM (16-bit)	RAM (4-bit)	Voltage (V)	CPU clock (Hz)	I/O (pin)	Interrupt source	Timer	Stack (level)	Operating Current	Halt current	Stop current	ADC	CMP	PWM	WDT	LVR	Other	Package
SH67P847	1K	96	3.3~5.5	16M±2% RC_In	Max6	ADC, T0, Ex	1	4	16MHz_5v: 3mA	16MHz_5v: 1.5mA	<1uA	4×10bits	--	1×9bits	√	3.5V	--	SOP8
SH69P848A	2K	253	2.4~5.5	4M±5% RC_In 400K~10M RC_Ex 30K~10M Ex_Clock	Max6	ADC, T0, T1, P BD	2	8	4MHz_5v: 2mA	4MHz_5v: 1mA	<1uA	3×10bits	--	1× (8+2)bits	√	2.5V/4V	--	SOP8
SH69P862	2K	88	2.4~5.5	32K/400K~10M Cry; 400k~10M Cer; 400k~10M RC_Ex; 4M±2% RC_In; 30K~10M Ex_Clock	Max6	ADC, T0, T1, CMP Output, PAB	2	8	4MHz_5v: 1mA	4MHz_5v: 700uA	<1uA	5×8bits	√	1× (6+2)bits	√	2.5V/4V	CMP-PWM mode for DC FAN Driving	SOP8

TOUCH KEY MCU 触摸按键单片机

芯片型号	只读存储器 (16位)	随机存储器 (4位)	工作电压(伏特)	CPU 时钟 (赫兹)	I/O端口(引脚)	中断源	定时器	堆栈 (层)	工作电流	待机电流
Part Number	OTP ROM (16-bit)	RAM (4-bit)	Voltage (V)	CPU Clock (Hz)	I/O	Interrupt source	Timer	Stack (level)	Operating Current	Halt current
SH67P61	6K	456	2.4~5.5	32K/400K~10M Cry; 400k~10M Cer;32K/10M RC_In;	30	T0, T1, PBGJ, ADC, KeyScan, IIC, WDT, TouchKey	2	8	4MHz_5V: <1.5mA	4MHz_5V: <1.3mA

芯片型号	掉电电流	液晶驱动 (COM×SEG)	LED驱动 (COM×SEG)	模/数转换器	脉宽调节输出	看门狗	低电压复位	触摸按键	其他	封装
Part Number	Stop current	LCD (COM×SEG)	LED Driver (COM×SEG)	ADC	PWM	WDT	LVR	Touch Key	Others	Package
SH67P61	<1uA	8×8 4×12	8×8	8×10bits	1×10bits	√	2.5V/4V	14ch (SOP32) 20ch (QFP44)	Alarm, KeyScan	LQFP32 QFP44