

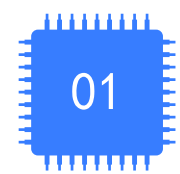


Chip Product Selection Table

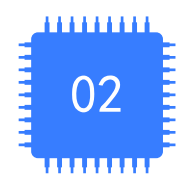
At present, we have applied for 21 invention patents, 2 integrated circuit layouts, and 11 software copyrights. We have successively obtained national high-tech enterprises, specialized and innovative enterprises, and technology-based small and medium-sized enterprises



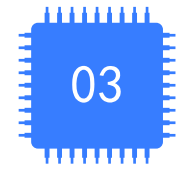
Updated March 18th, 2024



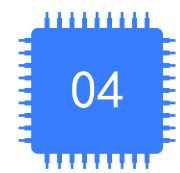
NY九齐 单封



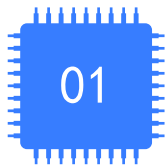
NY九齐 合封



433/2.4G合封



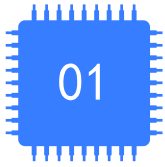
普冉系列型号



NY九齐单封

NY JIUQI SINGLE SEAL OTP SERIES MODEL

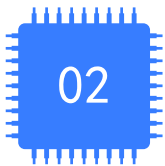
MODEL	OTP SERIES		RAM	PWM	LVD (voltage levels)	12-bit ADC -Ch	COMPARATOR	IO SINKING CURRENT	ENCAPSULATION	REMARK
	OTP	EEPROM						5V/3V@mA		
YF8A050D	0.5K*14	/	32x8	/	/	/	/	20/12	SOT6/S8/SOT23-8	
YF8A050E	0.5K*14	/	32x8	/	/	/	/	22/13	SOT6/S8/SOT23-8	Reset pin output high
YF8A051F	1K*14	/	48x8	1*8bit	11	/	/	45/26	SOT6/S8	
YF8A051H	1K*14	/	48x8	1*8bit	16	/	1	45/26	SOT6/S8/SOT8	Built-in comparator, reset pin output high
YF8A051G	1K*14	/	48x8	1*8bit	/	/	/	220/150	S8	32K crystal oscillator saves capacitors Three IO groups can push/sink up to 220mA
YF8A052E	1.5K*14	/	96x8	4*10bit	14	/	1	40/26	S8/S14/S16/SOT23-8	Reset pin output high
YF8A053E	1K*14	/	64x8	4*10bit	16	/	1	40/20	S8/S14/SOT23-10	
YF8A054E	2K*14	/	128x8	5*10bit	16	/	1	43/27	S8/S14/S16/SSOP16 /S023-10	
YF8B060D	1K*14	/	64x8	3*10bit	16	7	1	40/25	S8/SOT6/SOT8	Comparator and LVD common framework
YF8B061E	1.25K*14	/	128x8	4*10bit	8	11+1	1	40/25	S8/S14/S16	
YF8B062D	2K*14	/	128x8	3*10bit	8	11+1	1	43/28	SOT6/S8/S14/S16/DIP8	MSOP10/DFN12 /QFN20
YF8B062F	2K*14	/	128x8	3*10bit	8	11+1	1	43/28	SOT6/SOT8/SOT10/S8/S14 /S16/DIP8/SSOP16	MSOP10/DFN12 /QFN20
YF8B072A	2K*14	/	128x8	3*10bit	8	12+1	1	90/60	S20/TSSOP20	QFN20/SSOP24



NY九齐单封

NY JIUQI SINGLE SEAL MTP SERIES MODEL

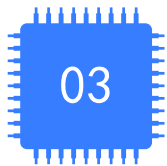
MODEL	MTP SERIES		RAM	PWM	LVD (voltage levels)	12-bit ADC -Ch	COMPARATOR	IR SINKING CURRENT	ENCAPSULATION	REMARK
	MTP	EEPROM						5V/3V@mA		
YF8AE51F	1K*14	64x8	64x8	3*10bit	16	/	/	43/25	S8	Reset pin output high, repeated erase and write 1000 times
YFM72A	2K*14	/	128x8	3*10bit	8	12+1	1	90/60	S20/QFN20/TSSOP20 /S8/S14/S16	Repeated erase and write 1000 times
YFE62D	2K*14	256*8	128*8	5*10bit	16	11+1	1	95/60	SOP8/SOP14/SOP16	Reset pin output high, repeated erase and write 1000 times
YFBM62D	2K*14	/	128*8	5*10bit	16	11+2	1	40/24	S8/S14/S16 /MSOP10/SOT23-10	Repeated erase and write 1000 times
YF8TM52D	2K*14	/	128*8	3*10bit	16	/	1	40/22	SOP8	4 Key touch input pin, repeated erase and write 1000 times
YFBE64A	4K*14	256*8	288*8	5*10bit	16	12+1	1	50/7.2	SOP16/SOP20 /SSOP24/QFN20	Compared with TE64A, the touch function is removed
YFTE64A	4K*14	256*8	288*8	5*10bit	16	12+1	1	50/7.2	SOP16/SOP20/SSOP24	12-key touch input pin, repeatable erase and write 1000 times



NY九齐合封

NY JIUQI SEALING SERIES MODEL

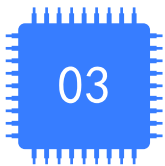
MODEL	OTP/MTP SERIES		RAM	PWM	LVD (voltage levels)	12-bit ADC -Ch	COMPARATOR	IR SINKING CURRENT	ENCAPSULATION	REMARK
	OTP/MTP	EEPROM						5V/3V@mA		
YF53N	1K*14	256*8(Sealing)	64x8	3*10bit	16	/	/	40/20	S8	Sealing24C02
YF54N	2K*14	256*8(Sealing)	128x8	3*10bit	16	/	/	43/27	S8	Sealing24C02
YF62N	2K*14	256*8(Sealing)	128x8	3*10bit	8	11+1	1	43/28	SOT23-8	Sealing24C02
YF62M	2K*14	256*8(Sealing)	128x8	3*10bit	8	11+1	1	43/28	S16	Sealing24C02
YF72E	2K*14	256*8(Sealing)	128x8	3*10bit	8	12+1	1	90/60	S20/SSOP24	Sealing24C02
YF55D54K	0.5K*14	/	32x8	/	/	/	/	20/12	SOT6/S8	Sealing4054
Y51C1	1K*14	/	48*8	1*8bit	16	/	1	45/26	SOP8	The reset pin can output high, sealing 4054
Y51CM	1K*14	/	48*8	1*8bit	16	/	1	45/26	ESOP8	The reset pin can output high, sealing4054+MOS
YF54E54K	2K*14	/	128x8	5*10bit	16	/	1	43/27	S8/S14/S16	Sealing4054
YF63DD	2K*14	/	128x8	3*10bit	8	11+1	1	43/28	SOP16	SealingLDO, High input withstand voltage24V
YF73MD	2K*14	/	128x8	3*10bit	8	12+1	1	90/60	SOP16/QFN20	SealingLDO, High input withstand voltage24V
YF63DQS16	2K*14	/	128x8	3*10bit	8	11+1	1	43/28	QFN16	Maximum input voltage 30V Charging current up to 1.2A



433/2.4G合封

433/2.4G SEALING SERIES MODEL

MODEL	OTP/MTP SERIES		RAM	PWM	12-bit ADC -Ch	FREQUENCY RANGE	SENSITIVITY	OUTPUT POWER	WORKING CURRENT	LOW POWER CONSUMPTION	OPERATING VOLTAGE	ENCAPSULATION	REMARK
	OTP/MTP	EEPROM											
Y51T	1K*14	/	48x8	1*8bit	/	250MHz~450MHz	/	≤12dBm	17mA	1uA	1.8V~5V	ESOP8/23-10	51H+433 Transmit reset pin output high
Y52T	1.5K*14	/	96x8	4*10bit	/	250MHz~450MHz	/	≤12dBm	17mA	1uA	1.8V~5V	SOP16	52E+433 Transmit reset pin output high
Y53R	1K*14	/	64x8	4*10bit	/	300MHz~440MHz	-109dBm	/	3.1mA	1uA	2.0V~5.5V	SOP14	53E+433 Take over
Y54R	2K*14	/	128x8	5*10bit	/	300MHz~440MHz	-109dBm	/	3.1mA	1uA	2.0V~5.5V	SOP16	54E+433 Take over
Y62R	2K*14	/	128x8	3*10bit	/	300MHz~440MHz	-109dBm	/	3.1mA	1uA	2.0V~5.5V	SOP16	62F+433 Take over
YH51G	1K*14	/	48x8	1*8bit	/	2.4G~2.4835G	-91dBm	8dBm	17mA	2uA	1.9V~3.6V	SOP8	51F+2.4G reset pin output high Need to burn a dedicated low voltage version
YH52GB	1.5K*14	/	96x8	4*10bit	/	2.4G~2.4835G	-91dBm	8dBm	17mA	2uA	1.9V~3.6V	SOP16	52E+2.4G reset pin output high
YH54GB	2K*14	/	128x8	5*10bit	/	2.4G~2.4835G	-91dBm	8dBm	17mA	2uA	1.9V~3.6V	SOP16	54E+2.4G Need to burn a dedicated low voltage version
YH62GB	2K*14	/	128x8	3*10bit	11+1	2.4G~2.4835G	-91dBm	8dBm	17mA	2uA	1.9V~3.6V	SOP16	62F+2.4G
YHE62GB	2K*14/MTP	256*8	128*8	5*10bit	11+1	2.4G~2.4835G	-91dBm	8dBm	17mA	2uA	1.9V~3.6V	SOP16	E62D+2.4G reset pin output high
YHE08B	24K/FLASH	/	3K	√	√	2.4G~2.4835G	-91dBm	8dBm	17mA	2uA	1.9V~3.6V	SSOP24	002B+2.4G
YHE09B	64K/FLASH	/	8K	√	√	2.4G~2.4835G	-91dBm	8dBm	17mA	2uA	1.9V~3.6V	SSOP24	003+2.4G



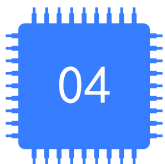
433/2.4G合封

433/2.4G SINGLE SEAL SERIES MODEL

MODEL	FREQUENCY RANGE	SENSITIVITY	OUTPUT POWER	WORKING CURRENT	LOW POWER CONSUMPTION	COMMUNICATION PROTOCOL	DATA RATE	OPERATING VOLTAGE	COVER	CRYSTAL OSCILLATOR	REMARK
YH350B	2400MHz~2520MHz	-91dBm@1M	8dBm	17mA	2uA	3WIRE SPI	1 and 2Mbps	1.9V~3.6V	SOP8	16M Two-Wire Crystal Oscillator	2.4GWireless Module
EV1527	250MHz~450MHz	—	>10dBm	1.2mA	1uA	—	—	3V~16V	SOP8	External oscillator circuit	433/315 Transmitter module
Y4455	250MHz~450MHz	—	≤12dBm	18mA	<1uA	—	—	1.8V~5V	SOT23-6	315M/433.92M Two-Wire Crystal Oscillator	433/315 Transmitter module
YX4455	200MHz~450MHz	—	13dBm	32mA	<1uA	—	—	2V~3.6V	SOT23-6	315M/433.92M Single-Wire Crystal Oscillator	433/315 Transmitter module
Y490	300MHz~440MHz	-109dBm	—	3mA	<1uA	—	≤ 8Kbps	2V~5.5V	SOP8	9.81563M~13.52127M Single-Wire Crystal Oscillator	433/315 Receiver Module
YX480	300MHz~480MHz	-112dBm	—	5.2mA	<1uA	—	1 - 5 Kbps	2.5V~5.5V	SOP8	9.81563M~13.52127M Single-Wire Crystal Oscillator	433/315 Receiver Module
YG350	2400MHz~2482MHz	-91dBm@62.5K	8dBm	40mA	5uA	I2C	SUPORT 2M HIGH SPEED IIC COMMUNICATION	2.4V~3.7V	SOP8/23-8	24M Two-Wire Crystal Oscillator	2.4GWireless Module Support BLE broadcast

PUYA PURAN SERIES MODEL

MODEL	SPACE (KBytes)		MAXIMUM FREQUENCY	MAXIMUM I/O	PWM	DMA	RTC	USART	12bit ADC	ENCAPSULATION	TEMPERATURE (°C)
	Flash	SRAM							Units (CHs)		
PY32C640F15P6TU	24	3	24MHz	18	5	–	–	1	8+2	TSSOP20	-40~85
PY32C640W15S6TU	24	3	24MHz	14	5	–	–	1	7+2	SOP16	-40~85
PY32C642W15U6TR	24	3	24MHz	14	5	–	–	–	8+2	QFN16	-40~85
PY32C642F15U6TR	24	3	24MHz	18	5	–	–	–	8+2	QFN20	-40~85
PY32F002AF15U6TR	20	3	24MHz	18	4	–	–	1	9+2	QFN20	-40~85
PY32F002AF15U7TR	20	3	24MHz	18	4	–	–	1	9+2	QFN20	-40~105
PY32F002AF15P6TU	20	3	24MHz	18		–	–	1	9+2	TSSOP20	-40~85
PY32F002AW15S6TU	20	3	24MHz	18	4	–	–	1	9+2	SOP16	-40~85
WS32F002AF15U6TR	20	3	24MHz	18	4	–	–	1	8+2	QFN20	-40~85
PY32F002AL15S6TU	20	3	24MHz	6	4	–	–	1	4+2	SOP8	-40~85
PY32F002BF15P6TU	24	3	24MHz	18	5	–	–	1	8+2	TSSOP20	-40~85
PY32F002BF15U6TR	24	3	24MHz	18	5	–	–	1	8+2	QFN20	-40~85
WS32F002BF15U6TR	24	3	24MHz	18	5	–	–	1	8+2	QFN20	-40~85



普冉系列型号

PUYA PURAN SERIES MODEL

MODEL	SPACE (KBytes)		MAXIMUM FREQUENCY	MAXIMUM I/O	PWM	DMA	RTC	USART	12bit ADC	ENCAPSULATION	TEMPERATURE (°C)
	Flash	SRAM							Units (CHs)		
PY32F003F18U6TR	64	8	32MHz	18	9	1/3	1	2	8	QFN20	-40~85
YF32F003F16U6TR	32	4	32MHz	18	9	1/3	1	2	8	QFN20	-40~85
YF32F003F18P6TU	64	8	32MHz	18	9	1/3	1	2	8	TSSOP20	-40~85
YF32F003W18S6TU	64	8	32MHz	18	9	1/3	1	2	8	SOP16	-40~85
YF32F003F38P6TU	64	8	32MHz	18	9	1/3	1	2	9	TSSOP20	-40~85
PY32F030K28T6	64	8	48MHz	30	10	1/3	1	2	10	LQFP32	-40~85
PY32F030K28U6TR	64	8	48MHz	30	10	1/3	1	2	10	QFN32	-40~85
PY32F030F26P6TU	32	4	48MHz	18	10	1/3	1	2	8	TSSOP20	-40~85
YF32F030E18M6TU	64	8	48MHz	22	11	1/3	1	2	10	SSOP24	-40~85
YF32F030F18U6TR	64	8	48MHz	18	9	1/3	1	2	2	QFN20	-40~85
YF32F030K18T6	64	8	48MHz	30	10	1/3	1	2	10	LQFP32	-40~85
YF32F030K28T6	64	8	48MHz	30	10	1/3	1	2	10	LQFP32	-40~85
YF32F030K28U6TR	64	8	48MHz	30	10	1/3	1	2	10	QFN5X5-32L	-40~85
PY32F072R1BT6	128	16	72MHz	58	16	1/7	1	4	10+8	LQFP64	-40~85
PY32F040C18T6	64	8	72MHz	42	16	1/7	1	4	10+8	LQFP48	-40~85