

## For Multi-key Remote Controllers

Application	For Multi-key Remote Controllers		
Series	BU2458/BU2459/BU2460 (BU2418/BU2419/BU2422)	BU2461/BU2462 (BU2430/BU2431)	BU2456
ROM	1024 × 8	1024 × 8	1024 × 8
RAM	32 × 4	32 × 4	32 × 4
Supply voltage	3V	3V	3V
Machine cycle	6.0 μsec(#1)	6.0 μsec(#1)	6.0 μsec(#1)
Input	4	4	4
Output	8	8	8
I/O	4	2	4
Large current output	1(8mA)	1(8mA)	1(8mA)
Oscillation circuit	Ceramic oscillator	Ceramic oscillator	Ceramic oscillator
Stand-by function		○(STOP)	
Package	SOP22/DIP22/SDIP22	SOP20/DIP20	SSOP24
Development support tools		RDS-BU2	
Evaluation board		EV2418B	
Features	Internal remote control carrier generator	Internal capacitor for ceramic oscillator	

Notes:1.○:Under development

- Run time: when clock frequency is #1=1MHz; #2=4MHz
- Please call for information on RDS-BU2 support tool.
- For options (pull up or pull down), please call for further information.

## For Simple-key Remote Controllers

Application	For Simple-key Remote Controllers	
Series	BU2463/BU2464/BU2465	BU2466
ROM	640 × 8	640 × 8
RAM	16 × 4	16 × 4
Supply voltage	3V	3V
Machine cycle	6.0 μsec(#1)	6.0 μsec(#1)
Timer counter	—	—
Input	4	4
Output	8	6
I/O	—	—
Analog input	—	—
Large current output	1(8mA)	1(8mA)
Oscillation circuit	Ceramic oscillator	Ceramic oscillator
Stand-by function		○(STOP)
Package	SOP18/DIP18/SDIP18	SOP16
Development support tools		RDS-BU2
Evaluation board		EV2403C
Features	Internal remote control carrier generator Internal capacitor for ceramic oscillator	

Notes:1.○:Under development

- Run time: when clock frequency is #1=1MHz; #2=4MHz #3=3.58MHz
- Please call for information on RDS-BU2 support tool.
- For options (pull up or pull down), please call for further information.

## For Battery Chargers

Application	For Battery Chargers	
Series	BU3437/BU3447	BU3451
ROM	1024 × 8	2048 × 4
RAM	64 × 4	16 × 4
Supply voltage	5V	5V
Machine cycle	1.5 μsec(#2)	1.7 μsec(#3)
Timer counter	8bit × 1	—
Input	4	4
Output	1	4
I/O	4	4
Analog input	AD(8bit × 2)	COMP × 4
Large current output	8(15mA)	4(10mA)
Oscillation circuit	Ceramic oscillator	Ceramic oscillator
Stand-by function		○(STOP)
Package	SDIP32/QFP32	SOP24
Development support tools		RDS-BU2
Evaluation board	EV2421B	EV3451
Features	Internal LED controller/driver (8seg × 3com) Buzzer driver output	Internal capacitor for ceramic oscillator