

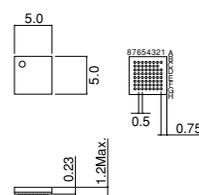
IrDA SIR, FIR Controller IC

BU92002GU

●Description

BU92002GU is FIR(4Mbps) compatible IrDA controller IC. Built-in 5kbyte FIFO enables simple system design in correspondence with interrupt by a frame unit. (DMA is not used.) It is accessible as memory device of bus connection and can acquire a large quantity of data with a 16bit width data bus instantaneously.

●Dimension (Unit : mm)



VBGA063T050

●Features

- 1) Data transfer speed
 FIR(4Mbps)
 SIR(2.4 to 115.2kbps) compatible
- 2) Built-in FIFO buffer 5kbyte
- 3) Data bus 16bit width

●Applications

Mobile phone, printer, DSC, DVD/HDD recorder, LCD-TV, PDP-TV, projector, portable audio equipments, etc.

●Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power supply voltage	V _{DD}	-0.3 ~ +2.5	V
Power dissipation	P _d	570 *	mW
Operating temperature range	T _{opr}	-25 ~ +85	°C
Storage temperature range	T _{stg}	-40 ~ +100	°C

* Measured by SEMI standards board (114.3mm×76.2mm×1.6mm, 4-layer board)
 * Derating: 5.7mW/°C for operation above Ta=25°C

