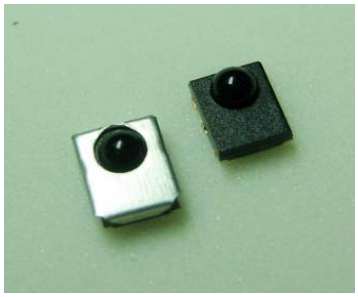
NEW PRODUCT

4.3mmX5.2mm Small Size SMD Package Remocon

Description

The KSM-50xSeries consist of a PIN photodiode of high speed and a preamplifier IC in the package as an receiver for infrared remote control systems



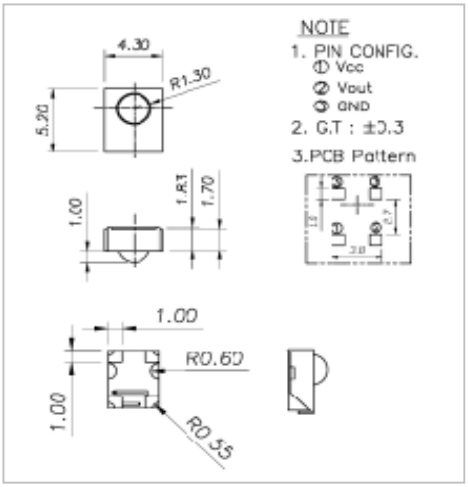
Features

- Small Size SMD Package
- Wide Supply-Voltage Range : 2.7V to 5.5V
- Shielded against Electrical Field Disturbance
- High Immunity against Ambient Light Disturbances (Logic Controller Adaptation)

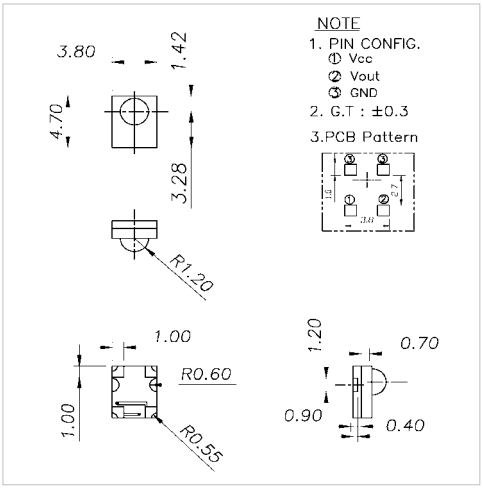
Application

- Audio & Video Applications (TV, VTR, Audio, DVDP, CDP)
- Home Appliances (Air conditioner, Computer, Camcoder)
- Wireless Toys
- Remote Control Equipment

Outline Dimensions



KSM-50xM2S



KSM-50xN2S

Issued Date : Mar. 2006

ELECTRO- OPTICAL CHARACTERISTICS

■ KSM-50xM2S

[Ta= 25℃]

Description	Symbol	Condition		Min.	Typ.	Max.	Unit
Recommended Supply Voltage	V_{CC}			2.7	-	5.5	V
Current Consumption	I_{CC}	No signal input		0.5	0.8	1.5	mA
Peak Wavelength	λP			-	940	-	nm
B.P.F Center Frequency	fo			-	37.9	-	kHz
Transmission Distance	L	250 ±50lx	0 °	8	-	-	m
			± 30 °	5	-	-	
High Level Output voltage	V_{OH}	30cm over		4.2	5.0	-	V
Low Level Output voltage	V_{OL}	the ray axis		-	0.1	0.5	V
High Level Output Pulse Width	T_{WH}	Burst wave=600 μs		400	600	800	μs
Low Level Output Pulse Width	T_{WL}	Period = 1.2ms		400	600	800	μs
Output Form	Active Low Output						

■ KSM-50xN2S

[Ta= 25℃]

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High Level Output voltage	V_{OH}	30cm over		4.5	5.0	-	V
Low Level Output voltage	V_{OL}	the ray axis		-	0.1	0.5	V
High Level Output Pulse Width	T_{WH}	Burst wave=600 μs		500	600	700	μs
Low Level Output Pulse Width	T_{WL}	Period = 1.2ms		500	600	700	μs
Output Form	Active Low Output						

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