

Molded vertical type 2 elements MR sensor

KG1002-61



Features

- Thin and leadless package
- High resistance
 - *Low power draws: $45 \mu W$ (typ) at $V_{cc} = 5 V$
- Available in wide temperature range
- RoHS direction compliance

Absolute maximum rating

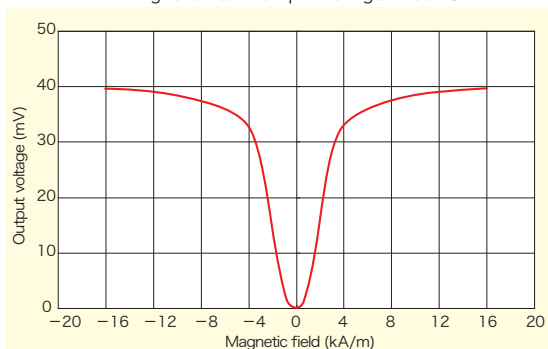
Parameter	Value	Unit
Applied voltage	10	VDC
Operating ambient temperature	-40~125	°C
Storage temperature	-50~130	°C

Electrical properties

Parameter	Condition	Value			Unit
		min	typ	max	
Input resistance	V_{cc} -GND	450	550	650	$k\Omega$
Temperature coefficient of resistance	-	0.25	0.35	0.45	$\%/^{\circ}C$
Median potential	0 kA/m	2470	2500	2530	mV
Temperature coefficient of offset voltage	0 kA/m	-11	0	11	$\frac{\mu V}{V} / ^{\circ}C$
Output voltage	16kA/m	35	40	45	mV
Temperature coefficient of output voltage	12kA/m	-0.25	-0.35	-0.45	$\%/^{\circ}C$

Characteristics data (typ)

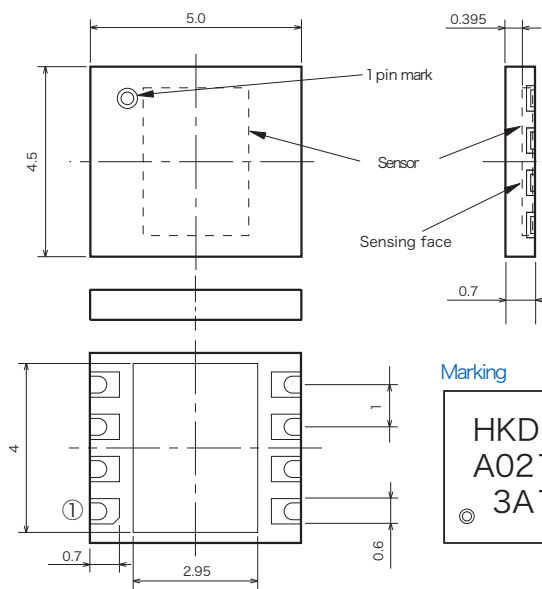
Magnetic field—output voltage $V_{cc}=5 V$



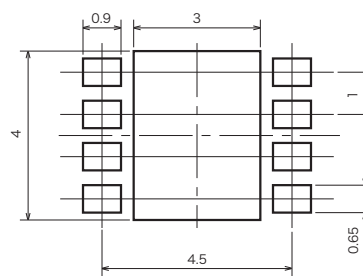
Packing form

Style	Taping
Net	2000pcs/reel

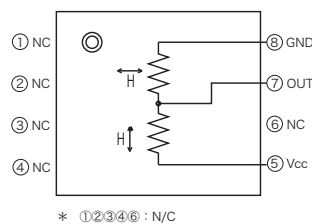
Dimension(unit:mm)



Recommended land layout(unit:mm)



Equivalent circuit



* ①②③④⑥ : N/C

Notes: Information in this catalog is subject to change without notice.
The information in this catalog is current as of November 2024.

Manufactures and Sales



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