

HER4027



■ Features

- High current
- SMD magnetic shielded type of power inductor.
- Suitable for power supply choke coil.
- Operating temperature : -40°C~+125°C(The self-heating is included)

Magnetic structure :

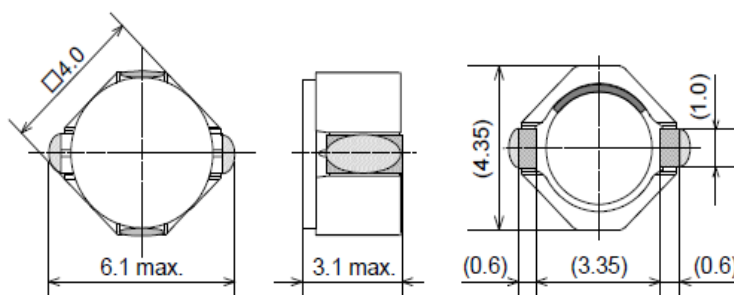


Weight : 0.15 g

■ Applications

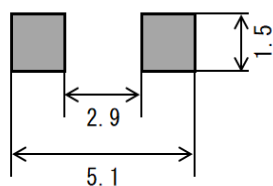
- Audio Visual/Portable Audio, Camera
- Computer & Peripheral Device/Computer, Printer(MFP)
- Others/Medical, Energy, Power Supply, Transceivers, FA

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



SAGAMI ELEC CO., LTD.
<https://www.sagami-elec.co.jp>

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■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (Ω) $\pm 30\%$	DC Saturation Allowable Current (mA)	Temperature Rise Allowable Current (mA)
HER4027-1R0N	1 $\pm 30\%$	0.0120	3.90	3.20
HER4027-1R5N	1.5 $\pm 30\%$	0.0150	3.40	2.95
HER4027-1R8N	1.8 $\pm 30\%$	0.0180	3.00	2.75
HER4027-2R4N	2.4 $\pm 30\%$	0.0230	2.50	2.45
HER4027-3R6N	3.6 $\pm 30\%$	0.0340	2.15	2.00
HER4027-4R3N	4.3 $\pm 30\%$	0.0400	2.00	1.85
HER4027-5R1N	5.1 $\pm 30\%$	0.0480	1.80	1.70
HER4027-6R8N	6.8 $\pm 30\%$	0.0630	1.55	1.45
HER4027-8R2N	8.2 $\pm 30\%$	0.0740	1.40	1.35
HER4027-100M	10 $\pm 20\%$	0.0860	1.30	1.20
HER4027-120M	12 $\pm 20\%$	0.110	1.20	1.15
HER4027-150M	15 $\pm 20\%$	0.130	1.05	1.00
HER4027-180M	18 $\pm 20\%$	0.160	0.950	0.900
HER4027-220M	22 $\pm 20\%$	0.210	0.900	0.820
HER4027-270M	27 $\pm 20\%$	0.240	0.800	0.730
HER4027-330M	33 $\pm 20\%$	0.300	0.700	0.640
HER4027-390M	39 $\pm 20\%$	0.330	0.650	0.610
HER4027-470M	47 $\pm 20\%$	0.420	0.600	0.520
HER4027-560M	56 $\pm 20\%$	0.530	0.550	0.480
HER4027-680M	68 $\pm 20\%$	0.610	0.500	0.440
HER4027-820M	82 $\pm 20\%$	0.780	0.450	0.380
HER4027-101M	100 $\pm 20\%$	0.880	0.400	0.360

Inductance Measuring Condition: 100kHz, 1V ($< 10\mu\text{H}$), 1kHz, 1V ($\geq 10\mu\text{H}$)

DC saturation allowable current: The current value which inductance decrease within 30% from the initial value

Temperature rise allowable current: The rise in temperature of core surface is within 40°C



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