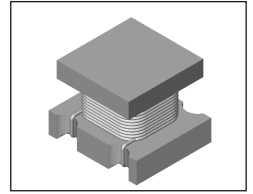


# SMT Power Inductor

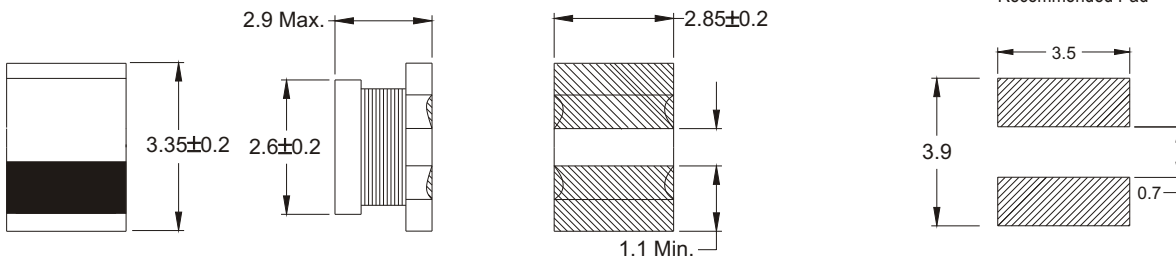
## SIHM44 Type

### Features

- Low profile(2.9mm max. height) SMD type.
- Unshielded.
- Self-leads, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

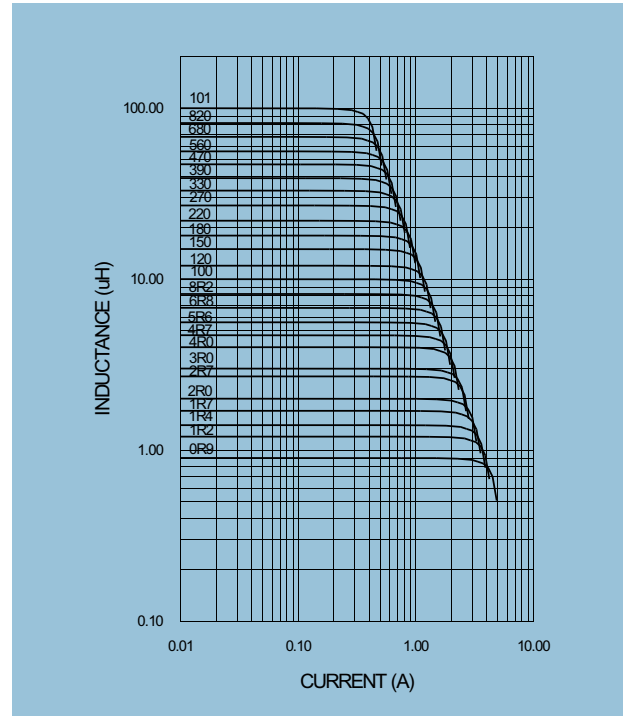


### Mechanical Dimension: Unit: mm



### Electrical Characteristics :

PART NO.	L ★ ( $\mu$ H)	DCR ( $\Omega$ ) MAX	I <sub>RATED</sub> ★ ★ (A dc)
SIHM44-0R9	0.9	0.038	3.00
SIHM44-1R2	1.2	0.050	2.90
SIHM44-1R5	1.5	0.055	2.50
SIHM44-1R8	1.8	0.062	2.30
SIHM44-2R2	2.2	0.075	2.10
SIHM44-2R7	2.7	0.095	1.80
SIHM44-3R3	3.3	0.110	1.70
SIHM44-3R9	3.9	0.130	1.40
SIHM44-4R7	4.7	0.150	1.30
SIHM44-5R6	5.6	0.170	1.20
SIHM44-6R8	6.8	0.195	1.10
SIHM44-8R2	8.2	0.230	1.00
SIHM44-100	10	0.290	0.95
SIHM44-120	12	0.375	0.85
SIHM44-150	15	0.450	0.75
SIHM44-180	18	0.590	0.70
SIHM44-220	22	0.680	0.64
SIHM44-270	27	0.820	0.58
SIHM44-330	33	1.160	0.50
SIHM44-390	39	1.210	0.48
SIHM44-470	47	1.400	0.45
SIHM44-560	56	1.780	0.40
SIHM44-680	68	2.020	0.36
SIHM44-820	82	2.240	0.32
SIHM44-101	100	3.150	0.29



★ Tolerance of inductance  
0.9~100uH±10

★★ I<sub>RATED</sub>: rated current.  $\Delta L < 10\%$ ,  $\Delta T < 45^\circ\text{C}$  at I<sub>RATED</sub>

★★★ Operating temperature: -20°C to 105°C (including self-temperature rise)

★★★★ Test condition at 25°C: 100KHz, 0.1V



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