

Type: CDH40D11/SMB

UNDER DEVELOPMENT

◆ Product Description

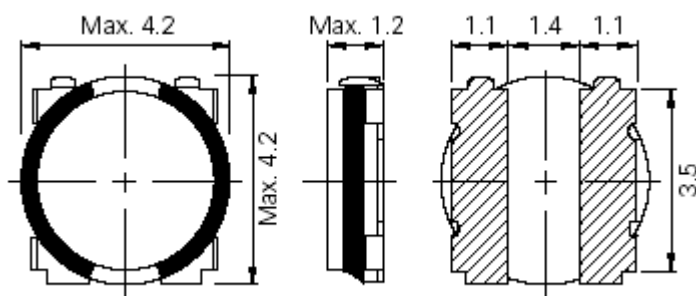
- 4.2×4.2mm Max.(L×W), 1.2mm Max. Height.
- Inductance range: 0.74~33 μ H.
- Rated current range: 0.36~2.65A.
- Custom design is available.



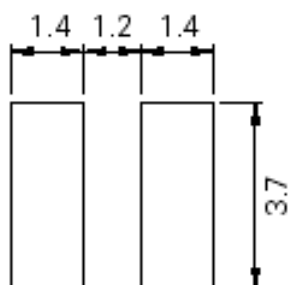
◆ Feature

- Magnetically shielded construction.
- Ideally used in Mobilephone, PDA, MP3, DSC/DVC, HDD, etc as DC-DC Converter inductors.
- Dropping impact reinforced types.
- RoHS Compliance

◆ Dimensions (mm)



◆ Land Pattern (mm)



Type: CDH40D11/SMB
◆ Specification

Part Name ※	Stamp	Inductance (μ H) 100kHz/1V	D.C.R.(Ω) Max.(Typ.) (20℃)	Saturation Current (A) ※1	Temperature Rise current (A) ※2
CDH40D11SMBNP-R74M□	R74	$0.74 \pm 20\%$	38.8m(31m)	2.80	2.65
CDH40D11SMBNP-1R1M□	1R1	$1.1 \pm 20\%$	51.3m(41m)	2.35	2.45
CDH40D11SMBNP-1R6M□	1R6	$1.6 \pm 20\%$	66.3m(53m)	1.90	2.15
CDH40D11SMBNP-2R0M□	2R0	$2.0 \pm 20\%$	77.5m(62m)	1.75	1.90
CDH40D11SMBNP-2R5M□	2R5	$2.5 \pm 20\%$	98.8m (79m)	1.55	1.70
CDH40D11SMBNP-3R0M□	3R0	$3.0 \pm 20\%$	113.8m(91m)	1.45	1.50
CDH40D11SMBNP-3R9M□	3R9	$3.9 \pm 20\%$	134.4m(112m)	1.20	1.30
CDH40D11SMBNP-4R7M□	4R7	$4.7 \pm 20\%$	168m(140m)	1.15	1.18
CDH40D11SMBNP-5R6M□	5R6	$5.6 \pm 20\%$	178.8m(149m)	1.00	1.15
CDH40D11SMBNP-7R4M□	7R4	$7.4 \pm 20\%$	247.2m(206m)	0.90	1.02
CDH40D11SMBNP-8R2M□	8R2	$8.2 \pm 20\%$	270m(225m)	0.85	0.85
CDH40D11SMBNP-100M□	100	$10 \pm 20\%$	336m(280m)	0.75	0.80
CDH40D11SMBNP-120M□	120	$12 \pm 20\%$	446.4m(372m)	0.68	0.65
CDH40D11SMBNP-150M□	150	$15 \pm 20\%$	619.2m(516m)	0.60	0.55
CDH40D11SMBNP-180M□	180	$18 \pm 20\%$	693.6m(578m)	0.55	0.54
CDH40D11SMBNP-220M□	220	$22 \pm 20\%$	916.8m(764m)	0.48	0.45
CDH40D11SMBNP-270M□	270	$27 \pm 20\%$	1050m(875m)	0.44	0.42
CDH40D11SMBNP-330M□	330	$33 \pm 20\%$	1152m(875m)	0.41	0.36

※ Description of part name

CDH40D11SMBNP-R74M□

□ B Box
 □ C Carrier Tape

※1.Saturation Current: The DC current at which the inductance decreases to 70% of it's nominal value.

 ※2 Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$.($T_a=20^{\circ}\text{C}$)

This datasheet is not a final issue, and maybe something will be changed before production.