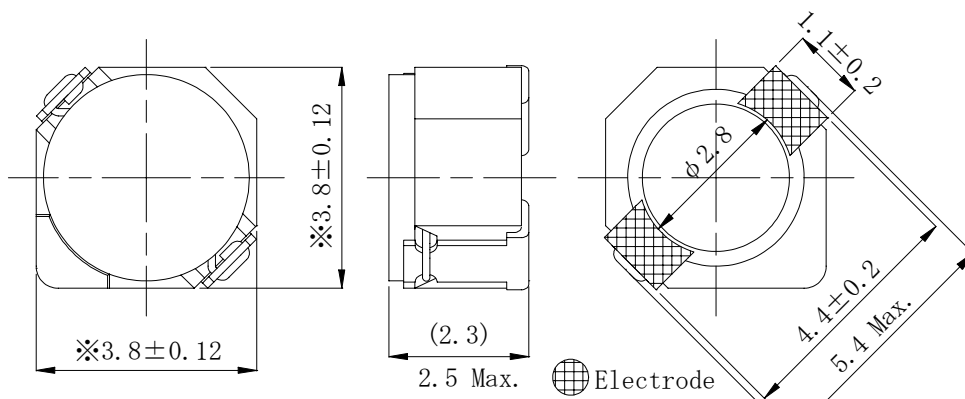


Type: CDRH3D23
◆ Product Description

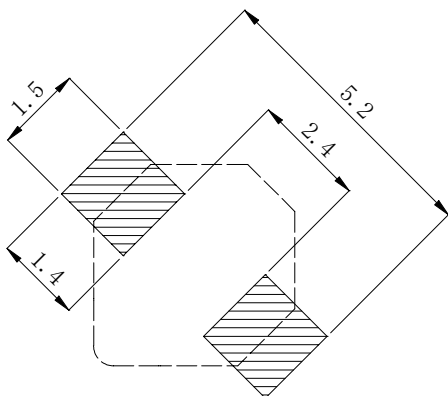
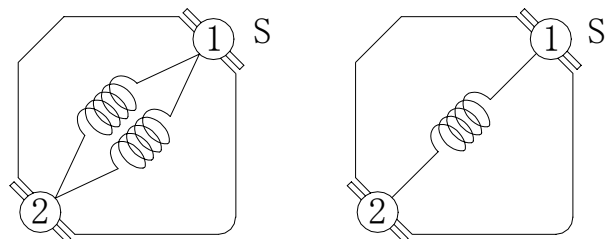
- 3.92×3.92mm Max.(L×W), 2.5mm Max. Height.
- Inductance range: 1.0~47.0 μ H
- Rated current range: 0.35~2.8A
- custom inductors are available to meet your exact requirements.


◆ Feature

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

◆ Dimensions (mm)


※Not including terminal dimension.

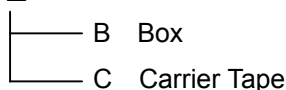
◆ Land Pattern (mm)

◆ Schematics (Bottom)


Type: CDRH3D23
◆ Specification

Part Name ※	Stamp	Inductance (μH) [Within] 100kHz/1V	D.C.R.($\text{m}\Omega$) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1		Temperature rise current (A)※2
				(at 20°C)	(at 100°C)	
CDRH3D23NP-1ROP□	A	1.0 $\mu\text{H}\pm 25\%$	25.0(20)	2.80	2.00	3.10
CDRH3D23NP-1R5P□	B	1.5 $\mu\text{H}\pm 25\%$	29.0(24)	2.20	1.65	2.90
CDRH3D23NP-2R2P□	C	2.2 $\mu\text{H}\pm 25\%$	38.3(31)	1.80	1.30	2.50
CDRH3D23NP-3R3P□	D	3.3 $\mu\text{H}\pm 25\%$	56.3(45)	1.45	1.10	2.20
CDRH3D23NP-4R7P□	E	4.7 $\mu\text{H}\pm 25\%$	68.8(55)	1.30	0.95	1.90
CDRH3D23NP-5R6P□	F	5.6 $\mu\text{H}\pm 25\%$	75.0(60)	1.10	0.80	1.80
CDRH3D23NP-6R8P□	G	6.8 $\mu\text{H}\pm 25\%$	87.8(72)	1.00	0.75	1.70
CDRH3D23NP-8R2P□	H	8.2 $\mu\text{H}\pm 25\%$	94.8(77)	0.95	0.70	1.60
CDRH3D23NP-1OOM□	I	10.0 $\mu\text{H}\pm 20\%$	117(95)	0.85	0.60	1.40
CDRH3D23NP-15OM□	J	15.0 $\mu\text{H}\pm 20\%$	191(154)	0.70	0.50	0.85
CDRH3D23NP-22OM□	K	22.0 $\mu\text{H}\pm 20\%$	270(219)	0.55	0.40	0.75
CDRH3D23NP-33OM□	L	33.0 $\mu\text{H}\pm 20\%$	381(307)	0.50	0.35	0.6
CDRH3D23NP-47OM□	M	47.0 $\mu\text{H}\pm 20\%$	546(441)	0.35	0.25	0.55

※ Description Of Part Name:

CDRH3D23NP-1ROP□



- ※1. Saturation current: This indicates DC current when the inductance decreases to 65% of its nominal value.
 ※2. Temperature rise current: The actual value of DC current when the temperature rise is $\Delta t=40^\circ\text{C}$.
 ($T_a=20^\circ\text{C}$).