

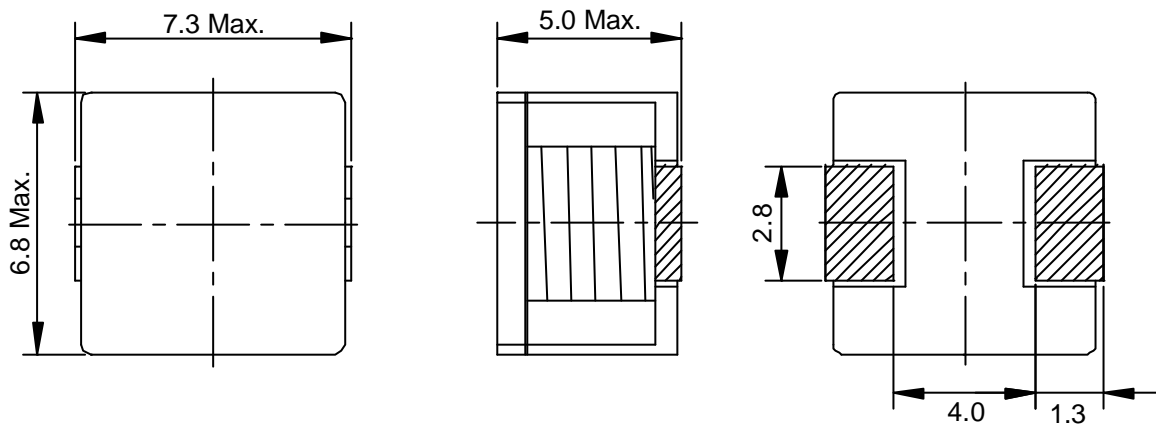
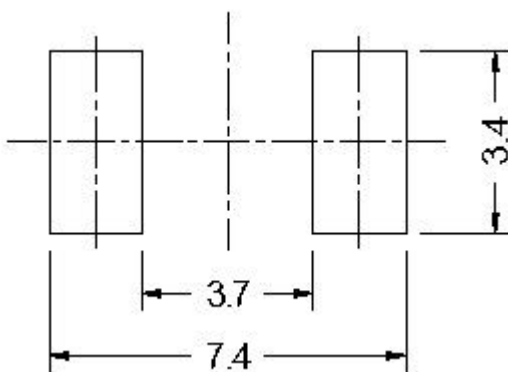
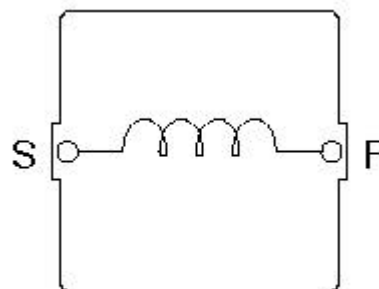
Type: CDEP6D48ME

UNDER DEVELOPMENT
Product Description

- 7.3 × 6.8mm Max. (L × W), 5.0mm Max. height
- Inductance range: 0.18 μ H ~ 3.3 μ H
- Rated Current Range: 5.2A ~ 16.0A


Feature

- Super high current inductors.
- Iron powder core used, Flat wire used.
- Ideally used in Server, Desktop and Notebook CPU power supply.
- RoHS Compliance

Dimensions (mm)

Land Pattern (mm)

Schematics (Bottom)


Type: CDEP6D48ME

Specification

Part Name	Stamp	Inductance [Within] 100kHz/1V	D.C.R.(m) Max.(Typ.) (at 20)	Saturation Current (A) 1	Temperature Rise current (A) 2
CDEP6D48MENP-R18M	R18	0.18μH ± 20%	2.2 (1.7)	37.2 (46.5)	16.0 (18.5)
CDEP6D48MENP-R33M	R33	0.33μH ± 20%	3.0 (2.4)	25.2 (31.5)	14.5 (16.5)
CDEP6D48MENP-R47M	R47	0.47μH ± 20%	3.8 (3.0)	24.0 (30.0)	13.2 (15.2)
CDEP6D48MENP-R68M	R68	0.68μH ± 20%	4.3 (3.4)	21.7 (27.2)	12.5 (14.2)
CDEP6D48MENP-1R0M	1R0	1.0μH ± 20%	5.9 (4.7)	16.6 (22.0)	11.0 (12.5)
CDEP6D48MENP-1R2M	1R2	1.2μH ± 20%	8.3 (6.6)	16.1 (20.2)	9.2 (10.4)
CDEP6D48MENP-1R5M	1R5	1.5μH ± 20%	10.9 (8.7)	14.0 (17.5)	8.0 (9.2)
CDEP6D48MENP-2R0M	2R0	2.0μH ± 20%	12.0 (9.6)	12.0 (15.0)	7.8 (8.8)
CDEP6D48MENP-2R2M	2R2	2.2μH ± 20%	15.6 (12.5)	11.4 (14.2)	7.0 (7.9)
CDEP6D48MENP-2R7M	2R7	2.7μH ± 20%	17.9 (14.3)	10.4 (13.0)	6.4 (7.4)
CDEP6D48MENP-3R3M	3R3	3.3μH ± 20%	21.0 (16.8)	9.8 (12.3)	5.2 (5.8)

Description of part name

CDEP6D48MENP-1R0M

	B	Box
	C	Carrier Tape

1. Saturation current: The DC current at which the inductance decreases to 80% of it's initial value. (Ta = 20)

2 Temperature rise current: The DC current at which the temperature rise is t = 40 .(Ta = 20)