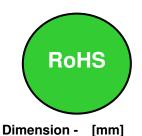
## **CDMT40D30**







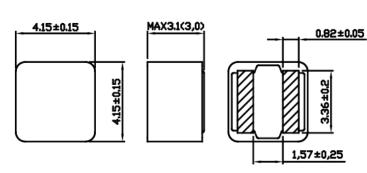
#### **Features**

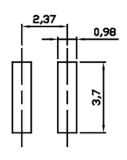
- · Metal compound molding type construction.
- · Magnetically shielded.
- · Suitable for Large Current
- Operating temperature range:-40°C~+125°C with Irms current

### **Applications**

- · LED Head light for Automobile
- · ECU for Airbag, Water and Oil pump etc
- DC/DC converter

#### Reference Land pattern- [mm]



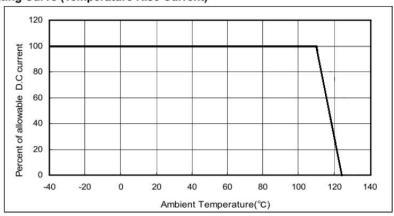


#### **Electrical Characteristics**

Part No.	Inductance (µH)	D.C.R. (mΩ)	Saturation Current	Temperature
	(±20%)	at 20degC	(A) *2	Rise current
	*1	(±10%)	at 20degC	(A)
CDMT40D30HF-3R3NC	3.3	23.0	5.4	6.6
CDMT40D30HF-4R7NC	4.7	37.0	4.3	5.1
CDMT40D30HF-6R8NC	6.8	62.0	3.4	3.9

<sup>\*1</sup> MEASURED AT FREQUENCY OF 100kHz

#### **Derating Curve (Temperature Rise Current)**



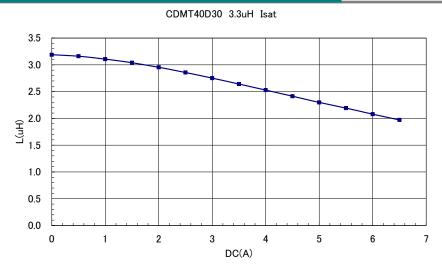
Note: This datasheet might be slightly modified without notice in order to improve the quality and reliability of the product. Please contact an appropriate our sales in your regions for checking final spec before you place an order.

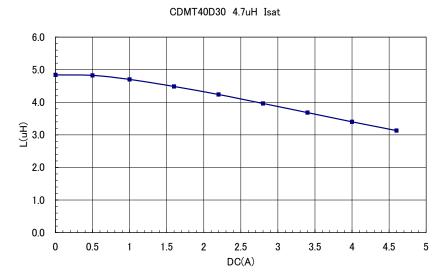
Page 1 of 2 Rev. no(2015.05)

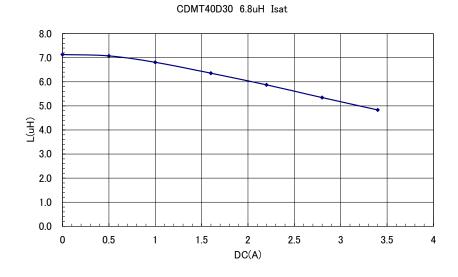
<sup>\*2</sup> THE SATURATION CURRENT: THIS INDUCTANCE THE VALUE OF CURRENT WHEN THE INDUCTANCE IS OVER 70% OF THE NOMINAL VALUE.

# **CDMT40D30**









Note: This datasheet might be slightly modified without notice in order to improve the quality and reliability of the product. Please contact an appropriate our sales in your regions for checking final spec before you place an order.